

Curriculum Guide

2017 - 2018



To succeed you must believe, and we believe!

NEWPORT CENTRAL CATHOLIC HIGH SCHOOL

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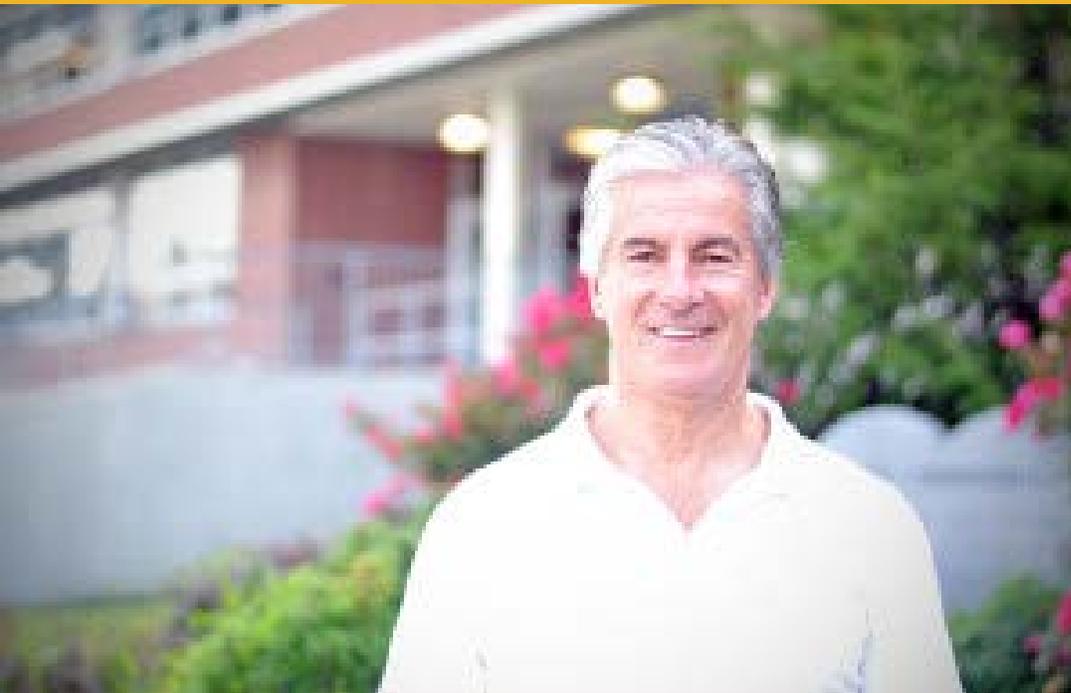
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A NOTE FROM THE PRINCIPAL

Dear NCC students and families,

Welcome to the 2017-18 school year!

We are very excited about our curriculum for the 2017-2018 school year. Several new courses have been added to the many elective classes that already existed.

This coming school year we will continue to operate on a semester schedule. Our 8 x 2 schedule allows students a great deal of flexibility in their schedule while still getting their core courses covered. Basic Computing, Public Speaking and Personal Finance will no longer be required for graduation; however, students are strongly encouraged to take both of these classes.

We will, once again, offer an ACT Prep course. The course is a one semester course, and it is recommended for Juniors who are preparing to take the ACT. Seniors may also opt to take the course if it would be beneficial.

Our curriculum is designed to allow students freedom in choosing their electives while still challenging them in each course. This curriculum will help our students prepare for their future endeavors after high school.

We look forward to working with you. Sport and Entertainment Marketing

Sincerely,

*Ron Dawn
Principal
Newport Central Catholic HS*

The NCC Curriculum Guide has been compiled to provide academic information to students and parents to facilitate planning and continued high school success. Questions about its content should be directed to the Guidance Department at (859) 292-0001.

MISSION STATEMENT

Newport Central Catholic High School is a private, Roman Catholic high school operated by the Diocese of Covington. Our mission is received from the Gospel message of Jesus Christ: to form men and women for service, leadership, and evangelization in the Church and community.

FAMILY PHILOSOPHY

Our faculty, staff, students, parents, and school board are a “family” in the respect and support we show for one another. As the NCC family, we work to bring to fuller realization the Kingdom of God that has already begun in our hearts.

Our school remains committed to sharing in the education of the whole person with the family, the parish, and the civic community. NCC leads each student to understand and develop personal giftedness and freedom through our curriculum and activities. This focus provides for all facets of growth in an atmosphere guided by the principles and teaching of the Catholic Church.

We at NCC also recognize our unique role as educator in the academic area. Students at NCC are being prepared to bring hope and competence to a complex society through a sharing of Gospel values and the good use of knowledge and scientific technique. Our students are challenged to develop themselves to the level of their ability. The faculty endeavors to make students conscious of God’s presence in their lives, so as to build in each a positive self-image. Upon graduation, we are confident our students are prepared for a lifetime of learning.

OBJECTIVES

1. To teach the good news of Jesus Christ in a meaningful way.
2. To treat everyone with the same respect and dignity regardless of race, creed, color, ethnicity, or national origin.
3. To provide opportunities for developing the bonds of respect, affection, and cooperation among all members of the NCC family.
4. To impart basic skills needed in contemporary life.
5. To nurture spiritual, cultural, social, psychological, and physical growth in students.
6. To discern students’ gifts and weaknesses, so as to provide quality education at all levels and sequences of learning.
7. To balance students’ self-direction and freedom with personal responsibility.
8. To sensitize students to issues of environmental stewardship, social justice, and reverence for life.
9. To communicate and cooperate with parents in the academic development of their sons and daughters.
10. To engage in regular discernment regarding school philosophy and goals.

KEYS TO HIGH SCHOOL SUCCESS

Obviously, one of the primary avenues to achieve success in high school is to learn the material in your classes and to place emphasis on your academic performance. Below are a few important tips regarding this.

ACADEMICS

- Choose classes that will challenge you. They should be slightly above your level so that you are challenged but also able to meet that challenge.
- During scheduling, keep your life goals in mind. Choose classes that will help you later in life and with your career.
- Choose classes that will expand your horizons. Part of being in high school is exploring your opportunities. Take this time to explore subject areas in which you may not think you have much interest.
- Set high standards for your academic work. Promise yourself and others that you will get acceptable grades on tests and complete all homework.
- Always pay attention in class.
- Take notes in class, and ask clarifying questions.
- Review your notes every night.
- Do your homework.
- Create and use flash cards.
- Do not wait until the night before a test to begin studying.

YOUR HEALTH

An important part of being successful is maintaining your health. If you don't feel well, you cannot perform at your optimum level. Remember the following:

- Eat a healthy, well-balanced breakfast every morning. Learning takes energy, and your body needs the fuel only food can provide.
- Get at least eight hours of sleep per night. When you are sleep-deprived, it is difficult to focus and learn.
- Turn off your cell phone at night. Social media can be a big distraction. Don't allow this to interfere with school.
- Monitor your stress levels. As part of your daily schedule, make sure you add in some "down time" to relax and enjoy your high school experience.
- Avoid drugs, alcohol, and any behaviors that will prevent you from reaching your full potential.

ORGANIZATION

Staying organized is one of the keys to success in high school and life.

- Invest in some binders with dividers. Multiple small binders are better than one large binder. Use one color binder per class.
- Label each paper clearly, and put each paper into the correct binder immediately, before you leave class or home.
- Clear the clutter from your backpack.
- Keep a clean, organized study space. This study space should be in a quiet place, free of distractions.

KNOWING YOUR LIMITS

It is important to know your limits and ask for help when you need it.

- If you find you are struggling with any material, get help immediately. Ask clarifying questions during class; see your teacher before or after school for additional assistance; or seek out the assistance of a free, peer-to-peer tutor through the National Honor Society. Asking for help makes you pretty smart!
- Prioritize your after-school activities. Do the extracurricular activities you love and enjoy, but be sure you leave time for yourself to study and relax. Your extracurricular involvement is important, but not more important than your studies.
- Challenge yourself with your classes; however, challenge yourself in a way that allows you to be successful.

GETTING INVOLVED

We cannot forget or ignore the social aspect of high school. Get involved! If you love coming to school, you will be even better prepared to learn. Consider joining a club or sports team. The more active and engaged you are in school, the more interesting people you will meet and friends you will make.

**SCHOLARSHIPS / FINANCIAL AID
FOR HIGH SCHOOL***Tuition Assistance Program*

During the 1994-1995 school year, NCC established a Tuition Assistance Program. To qualify for aid, families must complete a FACTS student aid form. These forms can be accessed online via the school website at www.ncchs.com. Those seeking additional details regarding this program should contact NCC Business Manager, Jeff Schulken, at the main office, (859) 292-0001, ext. 11.

Family Tuition Rates

Tuition discounts are available according to the tuition plan of payment. Also, tuition reductions are provided for families with more than one child attending Newport Central Catholic. Currently, families are required to pay full tuition for the first child, receive a \$600 reduction for the second child, and receive a \$900 reduction for the third child; the fourth child receives free tuition. This grant is automatically applied.

Work Study Program

Students are able to earn a portion of their tuition through the Student Work Program. In this program, students perform light cleaning and maintenance duties generally after school. The money they earn is credited to their school tuition account. An average student can earn as much as 20% of his or her tuition. Students can participate in this program by parent request and if they qualify by an evaluation of family income and number.

Additionally, a full list of scholarships available to our high school students is available in the NCC Fact Sheet.

**GUIDANCE DEPARTMENT
INFORMATION:**

Visit the Guidance page on Edline for information regarding students' opportunities and resources including testing information, scholarships, college rep visits, events, speakers, outside opportunities, etc.

FOR COLLEGE

Entering college often is accompanied by a hefty price tag; however, help is out there for the heavy load. If you will need financial aid, as most students do, please check out the available resources in the Burke Academic Center. Parents and students are encouraged to use the wide variety of financial aid guides, scholarship guides, and additional resources provided in our Guidance Center.

Scholarship opportunities are announced and posted frequently. Students are encouraged to stop by the Guidance Center often and to listen to the announcements each day so as to not miss out on opportunities.

When investigating colleges, students should be sure to ask about scholarships and other sources of financial assistance. Further, each year, NCC sponsors an annual financial aid workshop held at school.

Like college admission, scholarships can be highly competitive. Plan ahead. Students will need strong class grades and a good grade point average (GPA); class rank and recommendations, as well as community and school activities, are also considered. Leadership, scholarship, and involvement are all important factors in being competitive for admissions and scholarships.

You may be eligible for financial aid based on need, achievement, athletic or artistic accomplishment, parent employee benefits, military service, trade union membership, civic or fraternal association membership, social security benefits, and many more. Special scholarships are also offered at many schools based on intended major.

You shouldn't forget about federal programs, such as Pell Grants, Stafford Loans, Supplemental Educational Opportunity Grants (SEOG), College Work Study (CWS), and Perkins Loans. Additional funds are available through lending institutions.

The Financial Aid Form and the Free Application for Federal Student Aid (FAFSA) are used most for scholarships, grants, and loans. These strive to obtain a standard and consistent evaluation of a family's ability to contribute to college costs.

Financial Aid Determination

Financial aid is determined by the college financial aid office based upon the total cost of college less the **expected family contribution**, which equals the student's need or financial aid eligibility.

Types of Financial Aid

A financial aid package may include any or a combination of the following:

Scholarship: a gift, generally based on merit, that does not have to be repaid

Grant: a gift, usually based upon need, that does not have to be repaid

Loan: money borrowed from federal, state, college, or commercial bank sources that is usually interest-free while enrolled in school; *must be repaid*

Work Study Program: a federal program that provides part-time employment on campus and in community agencies; students typically work 10 to 15 hours per week, according to their class schedule

Campus Job: employment by the school as a clerical assistant, lab assistant, teaching assistant, tutor, or other role offered as part of a financial aid package

Letters of Recommendation

Most scholarships will require at least one letter of recommendation. Students are strongly encouraged to complete an autobiography (provided by the NCC Guidance Center) to assist counselors and teachers in writing the recommendation. Students also must make certain that they give recommenders at least one to two weeks to write the letter.

Transcripts

Most scholarship applications and all college admissions applications require a high school transcript. High school counselors will provide transcripts upon request at no charge. Please give the counselors ample time, though, to process the request. Again, one to two weeks is preferable.

Helpful Websites

- www.kheaa.org
- www.fastweb.com
- www.fafsa.gov
- www.bls.gov/k12/
- <http://www.bls.gov/audience/students.htm>
- www.careercruising.org/ilp
- <http://www.ncaapublications.com/productdownloads/CBSA.pdf>
- www.naia.org

DESCRIPTIONS OF IMPORTANT TESTS

During your high school years, you will be required to take a number of standardized tests. Below is a listing of those tests. See your guidance counselor for more information on any of these.

IFG / ACRE: Information for Growth / Assessment of Children/Youth Religious Education is an evaluation of catechetical and religious education programs in Catholic schools and parishes. As an integrated assessment tool, the ACRE from the National Catholic Educational Association (NCEA) provides both faith knowledge questions (cognitive domain) and questions related to religious beliefs, attitudes, practices, and perceptions (affective domain). This test is administered in the spring of the junior year.

ACT: The Enhanced American College Test (ACT) is required at all public universities and many private institutions in Kentucky. The test is divided into four sections: English, math, reading, and science reasoning. Scores range from one to 36. Colleges use the ACT not only for admission but also for awarding scholarships and placing students in special programs and honors courses. The ACT is given to all juniors as part of the Diocesan District Choice.

PreACT: All Sophomores will take the PreACT, which is a multiple choice test with questions in English, Math, Reading, and Science, similar to those on the ACT. This can help with critical areas of improvement. The report also includes possible career choices based on an interest inventory. This practice ACT test will indemnify how well the student is doing with skills and knowledge needed for college and beyond.

PSAT / NMSQT: The Preliminary Scholastic Aptitude Test / National Merit Scholarship Qualifying Test (PSAT / NMSQT) is a two-hour test that gives students, primarily high school sophomores and juniors, practice taking the SAT. Scores are also used to determine prestigious National Merit Scholarship winners. This exam requires a fee. Newport Central Catholic encourages sophomores to take the PSAT / NMSQT for practice.

SAT I, Reasoning Test, and SAT II, Subject Tests: The Scholastic Aptitude Test (SAT) is a four-hour test usually taken late in a student's junior year or in the fall of the senior year or both. The multiple-choice questions are divided into math and English sections. Students receive a score of 200 to 800 on both the verbal and math sections. Scores are used for admission purposes and to award scholarships. The SAT II, Subject Tests, are one-hour tests given in specific subjects such as science, English, or foreign languages. More selective schools require two or three of these tests for freshman placement. The exam has a fee.

AP: The Advanced Placement examinations are given to students taking AP courses in high school. The students can earn college credit and be eligible for advanced college placement if grades are satisfactory to a particular school. These exams require a fee. All students who are enrolled in an AP course at the time the exams are given in May are required to take the AP exam. While it is not advised, students can study for individual subject exams on their own (i.e. without being enrolled in the year-long AP course) and still take the exam. A scheduled class period is not required to be eligible for testing.

KYOTE: KYOTE is a placement exam used to place students into their college math courses when a student does not meet the math benchmark on the ACT.

AMC: For more than 60 years, students across the country have taken up the challenge of America's longest-running and most prestigious math contest, the American Mathematics Competition (AMC). Every year at thousands of schools in every state, more than 350,000 students are presented with a set of questions rich in content and designed to strengthen the mathematical capabilities of our nation's youth. The AMC program identifies, recognizes, and rewards excellence in mathematics through a series of national contests.

KENTUCKY EDUCATION EXCELLENCE SCHOLARSHIP (KEES) INFORMATION

Information from the KHEAA website at <https://www.kheaa.com/website/kheaa/kees?main=1>

The KEES program provides college scholarships to students who earn at least a 2.5 GPA each year they attend a certified Kentucky high school. The better they do in high school, the more they earn toward college. Students may also earn awards for ACT / SAT scores and Advanced Placement (AP) test scores.

To be eligible for a yearly KEES GPA award, a high school student must:

- Be a U.S. citizen, national or permanent resident;
- Be a Kentucky resident (eligible if your parent or guardian maintains legal residence in Kentucky while serving in the U.S. Armed Forces);
- Earn at least a 2.5 GPA in any year of high school while meeting the KEES curriculum requirements;
- Attend and graduate from a certified Kentucky high school or other approved high school; and
- Not be a convicted felon.

To be eligible for a KEES ACT / SAT bonus award, a high school graduate must:

- Have at least a 15 composite ACT score on an ACT taken at a national test site or at least a 710 (critical reading and math only) on the SAT (the highest score you make before you graduate from high school is used to calculate the amount); and
- Earn at least a 2.5 GPA in any year of high school while meeting the KEES curriculum requirements.

To be eligible for a KEES AP / IB award, a high school graduate must:

- Be eligible for free / reduced-price lunch in any year of high school;
- Earn a qualifying score on an AP or IB exam taken; and
- Earn at least a 2.5 GPA during any year of high school while meeting the KEES curriculum requirements.

There is no limit to the amount of supplemental awards a student can receive. There is also no application needed to receive a KEES award. For high school graduates, once your college certifies that you are attending classes, KHEAA will forward your award to your school.

For a list of participating colleges and KEES award amounts, visit <https://www.kheaa.com>.

FASTEST-GROWING OCCUPATIONS

These data, from the Occupational Employment Statistics program of the U.S. Bureau of Labor Statistics at the U.S. Department of Labor, are shown so that students and families can better understand growth rates in various professions of interest. The table was last modified on 17 December 2015 and is found at <http://www.bls.gov/ooh/mobile/fastest-growing.htm>

OCCUPATION	2014 MEDIAN PAY
Wind turbine service technicians	\$48,800 per year
Occupational therapy assistants	\$56,950 per year
Physical therapist assistants	\$54,410 per year
Physical therapist aides	\$24,650 per year
Home health aides	\$21,380 per year
Commercial drivers	\$45,890 per year
Nurse practitioners	\$95,350 per year
Physical therapists	\$82,390 per year
Statisticians	\$79,990 per year
Ambulance drivers and attendants, except emergency medical technicians	\$24,080 per year
Occupational therapy aides	\$26,550 per year
Physician assistants	\$95,820 per year
Operations research analysts	\$76,660 per year
Personal financial advisors	\$81,060 per year
Cartographers and photogrammetrists	\$60,930 per year
Genetic counselors	\$67,500 per year
Interpreters and translators	\$43,590 per year
Audiologists	\$73,060 per year
Hearing Aid Specialists	\$43,010 per year
Optometrists	\$101,410 per year

NCAA ELIGIBILITY QUICK REFERENCE

If you plan to pursue your athletic career beyond high school, you need to continuously remain aware of NCAA eligibility requirements.

Core Courses

NCAA Divisions I and II require 16 core courses (see charts on the next page).

As of 1 August 2016, NCAA Division I will require 10 core courses to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math, or natural or physical science that meet the distribution requirements below). These 10 courses become “locked in” at the start of the seventh semester and cannot be retaken for grade improvement.

Test Scores

Division I uses a sliding scale to match test scores and core grade point averages. Division II requires a minimum SAT score of 820 or an ACT sum score of 68 (the SAT score used for NCAA purposes includes only the critical reading and math sections; the writing section of the SAT is not used). The ACT score used for NCAA purposes is a sum of the following four sections: English, math, reading, and science.

When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores appearing on transcripts will not be used.

Grade Point Average

Only core courses are used in the calculation of the GPA. Be sure to check the List of NCAA Courses on the NCAA Eligibility Center’s website at www.eligibilitycenter.org. These have been approved as core courses.

Division I students enrolling full-time before 1 August 2016 should use Sliding Scale A to determine eligibility to receive athletics aid, practice, and competition during the first year. Division I GPA required to receive athletics aid and practice on or after 1 August 2016 is 2.000-2.299; Division I GPA required to be eligible for competition on or after 1 August 2016 is 2.300. The sliding scales are found at fs.ncaa.org/docs/eligibility_center/quick_reference_sheet.pdf.

The Division II core GPA requirement is a minimum of 2.000.

DIVISION I
Core-Course Requirement (16)

- 4 years of English
- 3 years of math (Algebra I or higher)
- 2 years of natural / physical science
(one year of lab if offered by high school)
- 1 year of additional English, math, or natural /
physical science
- 2 years of social science
- 4 years of additional courses (from any area
above, foreign language, or comparative
religion or philosophy)

DIVISION I - 2016
Qualifier Requirements

** Athletics aid, practice, and competition*

- 16 core courses
 - Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math, or natural/physical science.
 - * “Locked in” for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B.
- Graduate from high school.

DIVISION I - 2016
Academic Redshirt Requirements

** Athletics aid and practice (no competition)*

- 16 core courses
 - No grades/credits “locked in” (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B.
- Graduate from high school.

DIVISION II
16 Core Courses

- 3 years of English
- 2 years of math (Algebra I or higher)
- 2 years of natural / physical science
(one year of lab if offered by high school)
- 3 years of additional English, math, or natural /
physical science
- 2 years of social science
- 4 years of additional courses (from any area
above, foreign language, or comparative
religion or philosophy)

NOTE: See your school guidance counselor for more information.

The following pages highlight important academic and school policies. Newport Central Catholic High School admits students regardless of race, color, ethnicity, and/or national origin. The school does not discriminate on the basis of race, color, ethnicity, and/or national origin in the administration of policies and/or programs.

GRADUATION REQUIREMENTS

The Commonwealth of Kentucky requires the following minimum credits to graduate from high school. Kentucky's pre-college curriculum (PCC) is nearly identical, with the addition of two foreign language credits.

Subject	Credits Required	Note(s)
Language Arts (English)	4 credits	
Mathematics	3 credits	<i>Must take math each of four years</i>
Science	3 credits	
Social Studies	3 credits	
Health	½ credit	
Physical Education	½ credit	
Fine Arts	1 credit	
Electives	7 credits	
<i>Foreign Language</i>	<i>2 credits</i>	<i>Required only in the PCC</i>
Total	22 credits / 24 in PCC	

Therefore, incorporating additional NCC requirements, a graduate from Newport Central Catholic High School must have the following credits.

Subject	Credits Required	Note(s)
Religion	4 ½ credits - Class of 2017	
	4 credits - Class of 2018	
	4 credits - Class of 2019	
	4 credits - Class of 2020	
English	4 credits	
Mathematics	3 ½ credits	<i>One class required during the senior year</i>
Science	3 credits	
Social Studies	3 credits	
Health	½ credit	
Physical Education	½ credit	
Fine Arts	1 credit	

Subject	Credits Required	Note(s)
Electives†	12 ½ credits	<i>Foreign language credits required under KY PCC will count here</i>
Total	31 ½ credits - Class of 2018	
	32 credits - Class of 2019	
	32 credits - Class of 2020	
	32 credits - Class of 2021	

†Since study halls do not impact course credit, grades, or GPA, each semester a student is registered for a study hall would impact the elective credits required, as well as the total number of credits required to graduate.

To successfully achieve the objectives of each course, a student must maintain a passing grade.

PRE-COLLEGE CURRICULUM

The Kentucky Council on Higher Education has specified a pre-college curriculum commonly known as the “PCC.” This is a minimum set of courses required of students applying for admission to a public university or college in Kentucky. The requirements of the PCC are minimum requirements (see first table on previous page). Each college or university can make requirements beyond those listed in the pre-college curriculum.

Newport Central Catholic students who successfully meet the graduation requirements of NCC will usually meet the pre-college curriculum. However, students who are seriously considering college are advised to include at least two years of foreign language study, an additional one or two laboratory science courses, a fine arts course, and at least one semester of computer education. College-bound students should have familiarity and experience with the computer’s potential beyond entertainment. The guidance department can provide students and parents with more detailed copies of the PCC requirements.

ADVANCED PLACEMENT

The Advanced Placement program is a cooperative educational endeavor between high schools and colleges. Interested and able students are given the opportunity for college-level learning and for demonstrating their accomplishments through the national Advanced Placement examinations given each year in May.

On a student’s transcript, the Advanced Placement courses taken are listed as such. They indicate that a student is doing rigorous, college-level work and is prepared for college entrance in these subjects. Admissions offices are obviously pleased to see candidates who are doing advanced work. Moreover, once in college, students may be eligible for advanced

placement and/or college credit based on their score on the Advanced Placement exam in a given subject. A committee of the College Board prepares and reads the Advanced Placement exams. Each exam is approximately three hours in length and is administered at Newport Central Catholic High School. There is a fee for taking these exams.

ALTERNATIVE CREDIT OPTIONS

Newport Central Catholic High School strives to meet the needs of all its students. Students may be eligible to complete online courses. Parents and students should be advised, however, that students approved for these courses are those who possess the self-motivation necessary to successfully complete an online course.

Before beginning an alternative method of credit completion, the student must receive express approval from the principal or his/her designee. An official record of the final grade must be received by the school by the designated due date each semester. Students and parents will be responsible for finding alternative credit agencies/methods and will remain responsible for paying any additional fees as required.

Before being considered for this option, students must provide two letters of recommendation from teachers who support the student's ability to be a self-starter who can be responsible for his/her own learning.

Credit in an alternative manner can only be earned in the following circumstances:

1. The course is not offered by Newport Central Catholic;
2. Although an elective course is offered at Newport Central Catholic, the student will not be able to take it due to an unavoidable scheduling conflict, and the student can demonstrate a need for this course; and
3. The principal or his/her designee, with agreement from the student's teachers and parents/guardians, determines the student requires a differentiated or accelerated learning environment.

SCHEDULE CHANGES

Ample opportunity is given to all concerned to make valid recommendations and choices in the scope of the curriculum, after which the entire school's resources are committed for the school year. No schedule changes will be made after the 15th day of each semester.

All schedule changes must be cleared with the guidance counselors. They will assume the responsibility for informing all students and faculty members to be affected by the changes made. A \$10 fee is charged for schedule changes made after the start of the school year.

GPA CALCULATION AND CLASS RANK

NCC students receive number grades for the semester marks, semester exam marks, and final semester average marks. This table shows the conversion of a number grade to a quality point value.

95 - 100%	4.00 points
93 - 94%	3.90 points
91 - 92%	3.50 points
87 - 90%	3.00 points
85 - 86%	2.90 points
83 - 84%	2.50 points
79 - 82%	2.00 points
77 - 78%	1.90 points
75 - 76%	1.50 points
72 - 74%	1.00 points
70 - 71%	0.90 points
0 - 69%	0.00 points

Most courses at NCC receive the quality points listed above. This information will determine a non-weighted number. This non-weighted number is used to compute the grade point average (GPA).

Some courses at NCC move at an accelerated pace and have stronger course expectations. For these courses, the final semester average is converted to the corresponding numerical mark of the above table, and then this number is multiplied by 1.5. For example, a 91% in an honors or accelerated class is worth 3.50×1.5 for a value of 5.25 quality points.

Some courses at NCC are designated as Advanced Placement courses (AP). These courses are comparable to a first-year college course. These courses align themselves with a set of standards and methods used in college, and students who take these courses are expected to take the national exams in these subjects. College professors and high school AP instructors design these exams. The Educational Testing Service (ETS) located in Princeton, NJ, administers the tests. For these courses, the final semester average is converted to the corresponding numerical mark of the above table, and then this number is multiplied by 2.0. Thus, a 91% in an AP course is worth 3.50×2.0 for a total of 7.00 quality points.

A student's rank in class and honor roll, as well as eligibility for the National Honor Society, is based on the quality point totals that he/she accumulates at the end of each marking period. These quality point totals are used to compute the weighted GPA. Students and parents can contact the counselors for more information regarding accelerated or AP courses.

Academic Enhancement

The Academic Enhancement Program is designed to assist students who have been diagnosed with a learning disability. With low student-to-teacher ratios, students receive individualized and small group instruction, assistance in managing their course load, and training of study techniques to obtain success throughout high school and beyond. Student in this program meet during an assigned class period in the rotation. The teacher provides assistance to the students for their other courses, communicates appropriate accommodations to the students' other teachers, tracks students' progress, and engages in regular communication with the parents. Academic Enhancement is a non-academic elective and no credit is received. Students are admitted on an as needed basis, which is determined based on formal testing/diagnosis, IEP, 504 plans, and other internal accommodation plans.

ACADEMIC ENHANCEMENT 1

Grade: 9

Elective

2 Semesters

No credit

Course Objectives

- To determine and engage in appropriate accommodations for individual students; to aid them in their academic studies.
- To reinforce classroom instruction in small group or one-on-one situations, providing students the opportunity to move at a realistic pace and ask questions.
- To provide students with study skills, organizational skills, and life skills that will assist them for years to come.
- To increase communication between teachers and parents.
- To promote student success and confidence.

ACADEMIC ENHANCEMENT 2

Grade: 10

Elective

2 Semesters

No credit

Course Objectives

- To determine and engage in appropriate accommodations for individual students; to aid them in their academic studies.
- To reinforce classroom instruction in small group or one-on-one situations, providing students the opportunity to move at a realistic pace and ask questions.
- To provide students with study skills, organizational skills, and life skills that will assist them for years to come.
- To increase communication between teachers and parents.
- To promote student success and confidence.

ACADEMIC ENHANCEMENT 3

Grade: 11

Elective

2 Semesters

No credit

Course Objectives

- To determine and engage in appropriate accommodations for individual students; to aid them in their academic studies.
- To reinforce classroom instruction in small group or one-on-one situations, providing students the opportunity to move at a realistic pace and ask questions.
- To provide students with study skills, organizational skills, and life skills that will assist them for years to come.
- To increase communication between teachers and parents.
- To promote student success and confidence.

ACADEMIC ENHANCEMENT 4

Grade: 12

Elective

2 Semesters

No credit

Course Objectives

- To determine and engage in appropriate accommodations for individual students; to aid them in their academic studies.
- To reinforce classroom instruction in small group or one-on-one situations, providing students the opportunity to move at a realistic pace and ask questions.
- To provide students with study skills, organizational skills, and life skills that will assist them for years to come.
- To increase communication between teachers and parents.
- To promote student success and confidence.

Business

Our free enterprise system demands that each student is educated in its structure and is armed with marketable skills that will enable him/her to become a part of the system. The goal of the NCC Business Department is to help students acquire business literacy and develop business skills so they make better economic decisions in business and in their personal lives. This goal is attained by giving students training and preparation in the acquisition of basic knowledge and skills in a variety of areas of business in order to gain success on the job at the entry level, as well as for their own personal use in continuing their education.

ACCOUNTING 1

Grades: 11, 12

Elective

2 Semesters

1 credit

Course Objectives

- To know terminology related to accounting careers and different businesses.
- To understand entry-level positions, advancement-level positions, educational requirements, and career opportunities in accounting.
- To understand basic accounting concepts for various businesses.
- To understand accounting principles and practices for a service business organized as a sole proprietorship, for a merchandising business organized as a partnership, and for a merchandising business organized as a corporation.
- To demonstrate the ability to correctly fill out the appropriate business form.

ACCOUNTING 2

Grades: 11, 12

Elective

1 Semester

½ credit

Prerequisite: "B" average in Accounting 1 or recommendation

Course Objectives

- To understand cost accounting concepts.
- To demonstrate the ability to correctly enter data in an accounting software system.
- To correctly identify and complete a business's financial forms and reports in an accounting software system.
- To complete the business accounting cycle using an accounting software system.

BUSINESS MANAGEMENT

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Passed Personal Finance

Course Objectives

- To identify and explain the skills needed for managing a business.
- To explain the different forms of business ownership.
- To develop adequate planning, organization and decision making skills.
- To apply self-identified core knowledge and values to business management strategies and techniques.

ECONOMICS

Grades: 11, 12

Elective / Required

1 Semester

½ credit

Note: This course may be used to fulfill ½ credit of the social studies requirement for graduation.

Course Objectives

- To understand the fundamental concepts of both micro, macro, and international economics.
- To understand the meaning of economics.
- To examine the concepts of supply and demand.
- To understand the process of financing a business and free enterprise.
- To understand consumers, savers, and investors, as well as their role in the economy.

INVESTING & ADVANCED FINANCE

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Passed Personal Finance

Course Objectives

- To further study more advanced money management concepts previously introduced in Personal Finance.
- To introduce the concept of “investing”.
- To apply the concept of investing to stocks, bonds, mutual funds, real estate, and other instruments of investing.
- To demonstrate competency in basic buying strategies of essential living items such as housing, cards, insurance, etc.

MARKETING PRINCIPLES

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To understand and apply the 5 P's of Marketing.
- To thoroughly discuss the various mediums and tactics of advertising, financing, and distribution
- To use real life media to analyze current marketing strategies in our world.

PERSONAL FINANCE

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Special note: This course is required of all freshmen and sophomores prior to graduation beginning in the 2015-2016 school year.

Course Objectives

- To introduce basic money management and financial decision making skills.
- To create an adequate budget and savings plan for high school students.
- To explain basic consumer awareness strategies.
- To demonstrate basic competency in the process of applying for a job.

SPORT AND ENTERTAINMENT MARKETING

Grades: 11, 12

Elective / Required

1 Semester

½ credit

Pre Requisites: Personal Finance, Marketing Principles OR Business Management

- To apply the 5 P's of the marketing mix to the sports and entertainment industry
- To examine how the current market is utilizing new and more efficient ways to market to the generation
- To explore the economic impact the sports and entertainment industry has on the market as a whole
- To discuss and explore careers in the sports and entertainment industry

English

The NCC English Department believes that, upon completion of the 12th grade, each student should have acquired the skills necessary for effective communication. The Department is committed to providing both the progressive and remedial experiences that will enable each student to develop four language skills: reading comprehension, writing, speaking, and listening. In addition, the Department works to help each student grow in his/her appreciation of quality literature. Vocabulary enrichment and grammar are included as an integral part of the course content. Allowing for individual differences in students, the English Department strives to tailor methodologies in such a way as to challenge each student to reach his/her potential.

INSTRUCTIONAL ENGLISH

Grade: 9

Elective

2 Semesters

1 credit

Prerequisite: 25 or below on the reading assessment of the HSPT

Note: Students spend one semester in Instructional English and one semester in English 1.

Course Objectives

- To review techniques for reading and comprehending a variety of reading materials.
- To emphasize comprehension skills.
- To improve writing by emphasizing topic sentences and paragraph development.
- To improve spelling and vocabulary.
- To review basic grammar skills.

ENGLISH 1

Grade: 9

Required

2 Semesters

1 credit

Course Objectives

- To broaden one's thinking through appreciation of general literature.
- To initiate the writing process through prewriting, writing, and revising.
- To emphasize outlining, paragraph development, and the five paragraph essay.
- To develop a practical knowledge of new vocabulary.
- To strengthen grammar usage and mechanics.

ENGLISH 1 HONORS

Grade: 9

Required

2 Semesters

1 credit

Prerequisite: 80 or higher on the reading assessment of the HSPT

Course Objectives

- To broaden one's thinking through appreciation of general literature.
- To initiate the writing process through prewriting, writing, and revising essays, from the rudiments necessary for reading a prompt carefully to fixing flawed essays.
- To emphasize outlining, paragraph development, and the five paragraph essay.
- To develop a practical knowledge of new vocabulary.
- To strengthen already high achievement in grammar usage and mechanics.
- To enhance learning by developing independent study skills.
- To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general English class.

ENGLISH 2

Grade: 10

Required

2 Semesters

1 credit

Prerequisite: English 1

Course Objectives

- To broaden one's thinking through appreciation of world literature.
- To strengthen writing techniques using the writing process.
- To develop and write five paragraph essays.
- To develop a practical knowledge of new vocabulary.
- To strengthen weak areas of grammar usage, mechanics, and spelling.

ENGLISH 2 HONORS

Grade: 10

Required

2 Semesters

1 credit

Prerequisite: 85% average in English 1 Honors, 93% average in English 1, or recommendation

Course Objectives

- To broaden one's thinking through appreciation of world literature.
- To strengthen writing techniques using the writing process.
- To develop and write five paragraph essays.
- To develop and write personal narratives.
- To develop a practical knowledge of new vocabulary.
- To strengthen weak areas of grammar usage, mechanics, and spelling.
- To enhance learning by developing independent study skills.
- To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general English class.

ENGLISH 3

Grade: 11

Required

2 Semesters

1 credit

Prerequisite: English 2

Course Objectives

- To broaden one's thinking through appreciation of the American literary tradition.
- To review the writing process and to strengthen writing techniques through various writing assignments, including the five paragraph essay.
- To develop the skills necessary to write an effective thesis statement, bibliography, and outline.
- To sharpen one's ability to critically analyze the spoken and written word.
- To learn and apply proper techniques in writing a research paper.
- To develop a practical knowledge of new vocabulary.
- To review areas of grammar usage, mechanics, and spelling.

ENGLISH 3 HONORS

Grade: 11

Required

2 Semesters

1 credit

Prerequisite: 85% average in English 2 Honors, 93% average in English 2, or recommendation

Course Objectives

- To broaden one's thinking through appreciation of the American literary tradition.
- To review the writing process and to strengthen writing techniques through various writing assignments, including the five paragraph essay.
- To sharpen one's ability to critically analyze the spoken and written word.
- To learn and apply proper techniques in writing a research paper.
- To develop a practical knowledge of new vocabulary.
- To review areas of grammar usage, mechanics, and spelling.
- To enhance learning by developing independent study skills.
- To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general English class.

ENGLISH 4

Grade: 12

Required

2 Semesters

1 credit

Prerequisite: English 3

Course Objectives

- To broaden one's thinking through appreciation and analysis of British literature.
- To perfect the use of the writing process, specifically the elements needed for a research paper.
- To sharpen one's writing ability through various forms of formal and informal writing, including the five paragraph essay.
- To sharpen one's ability to critically analyze the spoken and written word through the genres of poetry, drama, fiction, and non-fiction.
- To develop and enrich vocabulary.
- To review areas of grammar usage, mechanics, and spelling through examination of student writings.

ENGLISH 4 HONORS

Grade: 12

Required

2 Semesters

1 credit

Prerequisite: 85% average in English 3 Honors, 93% average in English 3, or recommendation

Course Objectives

- To broaden one's thinking through appreciation and analysis of British literature.
- To perfect the use of the writing process, specifically the elements needed for a research paper.
- To sharpen one's writing ability through various forms of formal and informal writing, including the five paragraph essay.
- To sharpen one's ability to critically analyze the spoken and written word through the genres of poetry, drama, fiction, and non-fiction.
- To develop and enrich vocabulary.
- To review areas of grammar usage, mechanics, and spelling through examination of student writings.

- To enhance learning by developing independent study skills.
- To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general English class.

ADVANCED PLACEMENT (AP) ENGLISH

Grade: 12

Elective

2 Semesters

1 credit

Prerequisites: 85% average in English 3 Honors, 93% average in English 3, or recommendation; motivation and willingness to do the extraordinary amount of work involved in the class

Course Objectives

- To identify students who, having attained the reading and writing skills generally expected in introductory college courses in literature and composition, are ready for advanced, more specialized English courses when they arrive in college.
- To become more aware of the resources of language: connotation, metaphor, irony, syntax, and tone.
- To complete writing assignments that focus on critical analysis.
- To develop critical standards for the independent appreciation of literature.
- To increase the students' vocabulary for better shades of meaning.

Additional Requirements

- To read an assigned novel(s) over the summer.
- To complete assignments, readings, and projects in the specified time period.

CREATIVE WRITING

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To focus on using imagery (the five senses).
- To review the revision process.
- To review writing dialogue.
- To discuss the use of diction, dialogue, grammar, and format in creative writing.
- To responsibly use real-life situations to prompt creative writing.
- To learn to find inspiration in everything.
- To encourage students to orally publish their work.

FILM

Grades: 11, 12

Elective

1 Semester

½ credit

Note: Students should be advised this course is taught at a rigorous level.

Course Objectives

- To study the history of film.
- To study the different jobs in the film industry: gaffer, best boy, grip, key grip, etc.
- To study the different aspects of film: lighting, music, cinematography, sound, narration, etc.
- To view, learn, and analyze the different film genres.

INTRODUCTION TO POETRY

Grades: 9-12

Elective

1 Semester

½ credit

Course Objectives

- Students will read a wide range of poetry from many periods in many genres to build an understanding of the many different types, styles, and forms of poetry and apply a wide range of strategies to comprehend, interpret, evaluate, and appreciate these poems.
- Students will use a collaborative discussion protocol to share their responses to the poem in small groups and analyze how the use of poetic language in a poem enhances the intellectual or emotional power of the text.
- Students will compose, edit, and publish their own original poetry in a variety of forms and styles to convey their own experiences.

JOURNALISM

Grades: 9-12

Elective

1 Semester

½ credit

Course Objectives

- To introduce the historical importance of journalism in America through an exploration of the role of media and the ethical responsibility issues inherent in the press.
- To study the basic principles of print and online journalism as we examine the role of printed news media in our society.
- To develop skills as a writer through the study of print, online, and broadcast journalism using varied structures and writing techniques.
- To learn to create computer generated layouts and graphics.

MYTHOLOGY AND GREEK LITERATURE

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To define a myth.
- To examine the reasons why myths developed.
- To read and study Greek, Roman, Norse, and American myths.

PUBLIC SPEAKING*Grades:* 9, 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To introduce the basics of argumentation and oral delivery, speaking in public forums, and analysis of argument.
- To review how arguments are structured and analyzed.
- To learn how to form arguments on varying topics and respond with counter-arguments.
- To develop poise and self-confidence in public speaking through delivery of oral arguments and speeches in front of peers.

NON-FICTION LITERATURE AND WRITING*Grades:* 9, 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To read and study nonfiction literature in the subgenres of self-help books, autobiographies, biographies, magazines, blogs, informational pieces and more
- To write and create nonfiction writing pieces based off of experiences, evaluations, opinions, discussions and more
- To develop reading and writing strategies that improve student skills that transcend beyond this class and into all curriculums
- To develop an enjoyment for nonfiction reading and writing as it lends itself to improve student experience in and out of the classroom and beyond high school

SHAKESPEARE*Grades:* 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To read, discuss, and analyze Shakespearean comedies.
- To study William Shakespeare's life and its impact on his writings.
- To better understand how to read Elizabethan verse.
- To analyze various literary elements present in Shakespeare's works.

SPORTS IN LITERATURE*Grades:* 9, 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To study literature revolving around sports with special focus on how athletics are a microcosm of society.
- To use a New Historic approach with special emphasis in which students will recognize the relationship with the literature and the era in which the literature was written.
- To study fictional novels, short stories, poetry, films, and non-fiction novels and stories (such non-fiction works will be classic and contemporary pieces the students will study as a class and individually).
- To write non-fiction pieces with special focus on journalism; this class will be a challenge to any and all students through the study of both literature and writing.

Fine Arts

As a process, the fine arts are the integration of mind, body, and soul functioning simultaneously to create. If one of these components in the creative process is not considered, the final product is less, and less is learned. At NCC, this creative process is expressed as music, performance, or visual art.

It is the goal of the Fine Arts Department to engage the student in this process, fostering growth in all three of these areas. For the student, this growth should go beyond the creative act and extend into the student's everyday life, developing self-expression, self-discipline, and self-confidence. Perhaps the most important consequence of this growth is self-discovery. The making of art is the means through which students learn the most about themselves, as well as the world around them.

MUSIC

Note: Because this is a performance-based class, students are expected to perform at a concert at the end of the semester.

CHOIR 1

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To use proper singing posture and breathing techniques.
- To develop sight singing skills.
- To sing well in unison, parts, and harmony.
- To understand the historical context in which a piece was written, as well as the composer's background.
- To sing a song in a foreign language.
- To exhibit concert etiquette and performance skills.

CHOIR 2, 3, and 4

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Note: Because this is a performance-based class, students are expected to perform at a concert at the end of the semester.

Course Objectives

- To expand on the objectives of Choir 1, which includes but is not limited to vocal technique, sight reading, and performance skills while singing pieces from various musical styles including show choir.
- Students are expected to perform at a concert at the end of the semester as well as singing at the Graduation Commencement ceremonies.

MUSIC 1

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Note: This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Course Objectives

- To read and understand music notation.
- To introduce musical concepts such as melody, rhythm, harmony, and form.
- To introduce basic music theory.
- To perform various songs.
- To compose an original song.

MUSIC 2

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Recommendation

Note: This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Course Objectives

- To read and understand music notation.
- To further develop an understanding of musical concepts such as melody, rhythm, harmony, and form.
- To perform various songs.
- To compose original songs.
- To introduce more topics in applied music theory that are useful to students currently studying an instrument or voice.
- To introduce more topics in applied music theory that are useful to students currently studying an instrument or voice.

MUSIC 3

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Recommendation

Note: This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Course Objectives

- To read and understand music notation.
- To further develop an understanding of musical concepts such as melody, rhythm, harmony, and form.
- To perform various songs.
- To compose original songs and to arrange various songs for other instruments.
- To develop aural skills with an emphasis on ear training.
- To introduce more topics in applied music theory that are useful to students currently studying an instrument or voice.

MUSIC 4

Grades: 11, 12

Elective

1 Semester

½ credit

Prerequisite: Recommendation

Note: This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Course Objectives

- To read and understand music notation.
- To further develop an understanding of musical concepts such as melody, rhythm, harmony, and form.
- To perform various songs.
- To compose original songs and to arrange various songs for other instruments.
- To develop aural skills with an emphasis on ear training.
- To introduce more topics in applied music theory that are useful to students currently studying an instrument or voice.

PERFORMING ART

MUSICAL THEATER

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

NOTE: This is a performance based course.

Course Objectives

- To broaden students' perspectives by studying acting.
- To develop respect for the skills and talents required in acting.
- To develop the experience of being on stage through learning the basic parts of the stage and of stage acting.
- To introduce hands-on experience in acting through improvisation, monologues, and duo scenes and group scenes.
- To participate safely and regularly in warm-up activities followed by strengthening, endurance, and flexibility exercises.
- To explore theatre history starting with storytelling all the way up to modern theatre.

VISUAL ART

ART 1

Grades: 9, 10, 11, 12

Elective

2 Semesters

1 credit

Note: This class is a prerequisite for all other visual art classes.

Course Description

Art 1 has been created for students of all levels of inherent artistic ability, and perceived lack of ability should not inhibit students from taking this course. It should also be noted that this course is essential for students with any interest in the visual arts, including but not limited to: animation, architecture, illustration, design, photography, etc. This course is the underpinning and springboard to all other visual arts classes at NCC.

Course Objectives for Part A

- To give students a broad understanding of what artists do; their preparation, the incubation of a concept, the concept's illumination (the "ah-ha!" moment), and finally the artist's implementation of the concept in the work of art (often referred to as the Four Stages of the Creative Process).
- To study various visual art forms.
- To produce art at an introductory level.
- To expose students to related historical work.

Course Objectives for Part B

- To continue with the exploration of the thought process which occurs when making art.
- To study various art forms through academic study and creation.
- To begin the study of one-, two-, and three-point perspective.
- To create foundational work for all other visual art classes, covering basic concepts, terminology, and media.
- To study related historical work.

ART 2 HONORS

Grades: 10, 11, 12

Elective

2 Semesters

1 credit

Prerequisites: Art 1; recommendation

Note: Students must also complete a minimum of four pieces of art over the summer prior to entering Art 2 Honors.

Course Objectives

- To be able to render the human figure in a variety of media using both line and form.
- To understand and be able to reproduce objects in one-, two-, and three-point perspective.
- To study and emulate certain aspects of a given movement from art history in combination with the student's own ideas.
- To draw and design, by two-dimensional means, an object and then interpret into a solid form.
- To describe a work of art in terms of its style, media use, and qualities, which go beyond the subject matter.
- To have a basic understanding of simple color theory.
- To complete a nine-piece portfolio demonstrating the student's breadth in both technique and media, as well as being able to show a maturing commitment to theme; students will use this portfolio to compete in the Governor's School for the Arts competition.
- To gain an understanding of the function of the sketchbook by working in it everyday during the semester (minimum 15 minutes daily, logged times and dates); this sketchbook will also be utilized for the Governor's School for the Arts competition.

ART 3 HONORS

Grades: 11, 12

Elective

2 Semesters

1 credit

Prerequisites: Art 2; recommendation

Note: Students must also complete a minimum of four pieces of art over the summer prior to entering Art 3 Honors.

Course Objectives

- To make further progress in drawing from life, human figure, objects and forms in contour, gesture, and weight using selected media of a widening range of materials.
- To extend and apply the use of color to include more complex color relationships in order to convey a feeling or achieve a visual effect.
- To evaluate a work of art in terms of how artists solve a particular problem they set for themselves.
- To gain an understanding of various aesthetic issues faced by artists through study and emulation of artists of historical significance.
- To gain a basic understanding and control over acrylic paints.
- To increase proficiency in rendering space with one-, two-, and three-point perspective.
- To complete a nine-piece portfolio demonstrating the student's breadth in both technique and media, as well as being able to show a maturing commitment to theme; this portfolio should demonstrate expected evolution and development beyond their Art 2 portfolio;

students will use this portfolio to compete in the Governor’s School for the Arts competition, as well as the Marie Walsh Sharpe competition.

- To gain a continued understanding of the function of the sketchbook by working in it everyday during the semester (minimum 15 minutes daily, logged times and dates); it should demonstrate expected evolution and development beyond their Art 2 sketchbook; this sketchbook will also be utilized for the Governor’s School for the Arts competition.

ART 4 HONORS

Grade: 12

Elective

2 Semesters

1 credit

1 credit

Prerequisites: Art 3; recommendation

Note: Students must also complete a minimum of five pieces of art over the summer prior to entering Art 4 Honors.

Course Objectives

- To produce work in a much more self-guided manner in the fashion of a professional artist.
- To increase drawing and rendering proficiency through a new emphasis on the figure.
- To continue developing the fundamentals of making and understanding art.
- To greatly increase the professionalism of the student’s work.
- To complete a nine-piece portfolio demonstrating the student’s breadth in both technique and media, as well as being able to show a maturing commitment to theme; this portfolio should demonstrate expected evolution and development beyond their Art 3 portfolio; students will use this portfolio to compete in the Scholastics Art competition in January; students will complete a 10-15-piece portfolio by May to be used in the annual NCC art show.
- To gain a continued understanding of the function of the sketchbook by working in it everyday during the semester (minimum 15 minutes daily, logged times and dates); it should demonstrate expected evolution and development beyond their Art 3 sketchbook.

INDEPENDENT STUDY IN ART

Grades: 12

Elective

1 Semester

½ credit

**All work described in the aforementioned portfolios may be used congruently, i.e. the Scholastics portfolio can be part of the AP Portfolio, etc.
Prerequisites: Art 1; recommendation*

Course Objectives

- To enable the serious art student, through instructor interaction, to develop work based on an individually-chosen theme or concept in the manner of a professional artist (to work as artists work).
- To afford the serious art student the opportunity to continue pieces or series of pieces begun in Art 1, 2, 3, 4, or AP Art.
- To allow the serious art student the opportunity to, in combination with their regular art class (Art 1, 2, 3, 4, or AP Art), be in art class throughout the year; along with the intrinsic value for the serious student, it will allow said student to prepare for various

competitions such as the Kentucky Governor's School for the Arts, Marie Walsh Sharpe competition, Scholastics, various college and university scholarship competitions and portfolio entrance reviews, as well as preparation for submission of the AP Art Portfolio.

ADVANCED PLACEMENT (AP) ART

Grade: 12

Elective

2 Semesters

1 credit

Prerequisites: Recommendation

Note: Students must also complete a minimum of six pieces of art over the summer prior to entering AP Art.

Course Objectives

- To produce work in a much more self-guided manner in the fashion of a professional artist.
- To increase drawing and rendering proficiency through a new emphasis on the figure.
- To continue developing the fundamentals of making and understanding art.
- To prepare and assist the student in the development of a portfolio during their senior year.
- To greatly increase the professionalism of the student's work.
- To gain a basic understanding of art as a profession.
- To begin questioning the purpose of making art as it relates to professionals and themselves.
- To gain a continued understanding of the function of the sketchbook by working in it everyday during the semester (minimum 15 minutes daily, logged times and dates); it should demonstrate expected evolution and development beyond their Art 3 sketchbook.
- To complete an eight-piece portfolio demonstrating the student's breadth in both technique and media; this portfolio will have a much greater emphasis on theme than the Art 2 or 3 portfolios; this portfolio should also demonstrate expected evolution and development beyond their Art 3 portfolio; students will use this portfolio to compete in the Scholastics Art competition in January; students will complete a 10-15-piece portfolio by May to be used in the annual NCC art show.
- To produce an Advanced Placement studio portfolio and submit it for review in May.

**All work described in the aforementioned portfolios may be used congruently, i.e. the Scholastics portfolio can be part of the AP Portfolio, etc.*

Foreign Language: Spanish

In light of continuing trends toward globalization and an increasing Hispanic population in the United States, a familiarity with the Spanish language and culture is an essential tool in the ever-changing landscape of American society. The study of foreign language helps students acquire an understanding and appreciation of other cultures. This is accomplished through the study of the language itself (grammar, syntax, pronunciation, and vocabulary) and through the discussion of the cultures of the many Spanish-speaking nations.

SPANISH 1 CONCEPTS

Grades: 9, 10, 11

Elective

2 Semesters

1 credit

Prerequisites: HSPT Language Score of 49 or lower

Course Objectives

- To provide the student with fundamental grammatical structures of the Spanish language such as gender, verb conjugation, and noun/ adjective agreement.
- To build a core of functional vocabulary.
- To develop the ability to pronounce Spanish properly through continual use of the language in classroom dialogue.
- To develop the ability to read and write in the target language through written exercises, essays, and supplementary workbook materials.
- To develop the ability to understand the spoken language through classroom exercises and the use of audio equipment.
- To introduce students to various aspects of Hispanic culture in Latin American countries and Spain as illustrated in the text and through videos and presentations, which may include historical, social, and cultural topics.

SPANISH 1

Grades: 9, 10, 11

Elective

2 Semesters

1 credit

Prerequisites: HSPT Language Score of 50-74

Course Objectives

- To provide the student with fundamental grammatical structures of the Spanish language such as gender, verb conjugation, and noun/ adjective agreement.
- To build a core of functional vocabulary.
- To develop the ability to pronounce Spanish properly through continual use of the language in classroom dialogue.
- To develop the ability to read and write in the target language through written exercises, essays, and supplementary workbook materials.
- To develop the ability to understand the spoken language through classroom exercises and the use of audio equipment.
- To introduce students to various aspects of Hispanic culture in Latin American countries and Spain as illustrated in the text and through videos and presentations, which may include historical, social, and cultural topics.

SPANISH 1 HONORS

Grades: 9, 10, 11

Elective

2 Semesters

1 credit

Prerequisites: Score of 75 or higher on the HSPT

Course Objectives

- To thoroughly explore the fundamental grammatical structures of the Spanish language such as gender, verb conjugation, and noun/adjective agreement.
- To build an extensive core of functional vocabulary.
- To develop the ability to pronounce Spanish properly through continual use of the language in classroom dialogue.
- To develop the ability to read and write in the target language through written exercises, essays, and supplementary workbook materials.
- To develop the ability to understand the spoken language through classroom exercises and the use of audio equipment.
- To immerse students in various aspects of Hispanic culture in Latin American countries and Spain as illustrated in the text and through videos and presentations, which may include historical, social, and cultural topics.

SPANISH 2 CONCEPTS

Grades: 10, 11, 12

Elective

2 Semesters

1 credit

Prerequisites: Spanish 1 Concepts or Spanish 1 and Teacher Signature

Course Objectives

- To increase the student's knowledge of the Spanish language by expanding on grammatical fundamentals.
- To strengthen and expand functional vocabulary.
- To improve speaking skills (pronunciation and intonation).
- To develop the ability to carry on basic conversations in Spanish.
- To introduce Spanish and Hispanic culture to promote the understanding and appreciation of these cultures.

SPANISH 2

Grades: 10, 11, 12

Elective

2 Semesters

1 credit

Prerequisites: Spanish 1; recommendation

Course Objectives

- To build on the grammar and language skills acquired in Spanish 1 by providing a flexible, balanced program of conversation, language structure, reading, and writing.
- To enlarge vocabulary, continue development of aural-oral skills, and further develop writing skills, involving grammatical concepts such as object pronouns, reflexive verbs, and particularly the past tenses.
- To further examine aspects of Hispanic culture in Latin American countries and Spain as illustrated in the text and through videos and presentations, which may include historical, social, and cultural topics.

SPANISH 2 HONORS

Grades: 10, 11, 12

Elective

2 Semesters

1 credit

Prerequisites: Spanish 1 Honors with an 85% course grade or higher; Spanish 1 with a 93% course grade or higher; recommendation

Course Objectives

- To build on the grammar and skills acquired in Spanish 1 by providing a more challenging program of conversation, language structure, reading, and writing.
- To enlarge vocabulary, continue development of aural-oral skills, and further develop writing skills involving varied and complex grammatical elements such as object pronouns, reflexive verbs, and particularly the past tenses.
- To further examine aspects of Hispanic culture in Latin American countries and Spain as illustrated in the text and through videos and presentations, which may include historical, social, and cultural topics.

SPANISH 3 HONORS

Grades: 11, 12

Elective

2 Semesters

1 credit

Prerequisites: Spanish 2 Honors with an 85% course grade or higher; Spanish 2 with a 93% course grade or higher; recommendation

Course Objectives

- To provide a rigorous and balanced program of grammar review, reading comprehension, and culture sensibly blended to appeal to students who are not practiced enough to tackle full-scale literary studies but who have mastered the basics of the language.
- To build on grammar and language skills acquired in the first two years of language courses by adding new grammar structures, such as the non-indicative modes (present and past subjunctive) and perfect tenses.
- To introduce reading selections by Hispanic authors, vocabulary and comprehension questions, composition, and conversation to increase oral-aural skills.

**ADVANCED PLACEMENT (AP)
SPANISH LANGUAGE**

Grade: 12

Elective

2 Semesters

1 credit

Prerequisites: Spanish 3 Honors; recommendation

Note: Students who take Advanced Placement Spanish are expected to take the national AP Language and Culture examination.

Course Objectives

- To refine skills in writing, reading, speaking, and understanding spoken Spanish.
- To improve knowledge through structure drills, oral practice and review, vocabulary drills, and creative exercises to further develop composition and discussion skills.
- To develop the student's ability to think critically, make cultural connections, and answer higher level questions using the target language.
- To concentrate on developing proficiency in skills specifically in preparation for the AP Spanish Language examination.

Health & Physical Education

The Health and Physical Education Department serves to enhance the general educational development of the whole student. The goal is to prepare each student for his/her present and future ability to meet life's everyday situations. Physical fitness and body-building exercises develop physical stamina. Intellectual challenges are offered in physical education through rules, skills, and strategies developed in team and individual sports. Through a practical knowledge of the human body, how it functions physically and mentally, and the ability to recognize, understand, and cope with disorders that may arise, the student enhances his/her intellectual development. Recreationally, the goal is to prepare the student for leisure time activities. Socially, the purpose is to strive for the development of leadership qualities, safety awareness, working with others in team effort, good sportsmanship, and understanding and compassion toward those who are less fortunate physically or mentally. Psychologically, the goal is to develop the ability to make decisions and to accept the resulting consequences.

HEALTH

Grade: 9

Required

1 Semester

½ credit

Course Objectives

- To provide students with practical knowledge of themselves and how they function physically, mentally, and spiritually.
- To understand body systems, diseases, first aid, mental and emotional health, personal hygiene, and physical fitness.
- To recognize and evaluate one's current health status and knowledge to maintain/improve it.
- To be able to understand and cope with disorders that may arise.
- To relate current health issues to one's own environment.

PHYSICAL EDUCATION

Grade: 9

Required

1 Semester

½ credit

Course Objectives

- To demonstrate the basic skills needed for participation in common team and individual sports (volleyball, basketball, bowling, softball, football, soccer, and track and field).
- To introduce movement, fundamentals, and physical fitness and its importance to everyday life.
- To provide basic rules, equipment used, history of the sport, terminology used, and dimensions of the playing areas in note form to better understand the sports/activities.
- To learn the fundamentals of strength training and cardiovascular conditioning.

PHYSICAL EDUCATION II

Grade: 11, 12

Elective

1 Semester

½ credit

Prerequisite: C or better in freshman Physical Education

Course Objectives

- To expand on the content learned in Freshman Physical Education.
- To use concepts of body awareness, space awareness, effort and relationships.
- To learn to assess, achieve and maintain physical fitness by designing personal fitness programs and participating in group sport activities, including, but not limited to cardiovascular conditioning, muscle strength and endurance training.
- To expand on the rules, strategies, officiating, coaching and training for team sports.

SPORTS MEDICINE*Grade:* 11, 12

Elective

1 Semester

½ credit

Course Description

The purpose of this course is to familiarize students with the broad field of medical practice related to physical activity and sport referred to as sports medicine. The course is designed to guide the student from general to more specific topics as it relates to the recognition, management, and prevention of injury in the active and athletic population.

Course Objectives

- To describe the roles and delivery of the professions within sports medicine, as well as its services within the context of the healthcare system.
- To describe the impact of organizational structure on the daily operations of a healthcare facility.
- To differentiate among the preparation, scopes of practice, and responsibility of healthcare providers.
- To identify various blood borne pathogens and protective practices.
- To identify common mechanisms and characteristics of sports trauma.
- To identify and describe tissue response to injury.
- To identify and practice general injury evaluation processes.
- To learn the evaluation and treatment of lower extremity injuries.
- To learn the evaluation and treatment of knee injuries.
- To learn lower extremity taping and bracing techniques.

ATP 108 - PRINCIPLES OF ATHLETIC TRAINING, Dual Credit*Grades:* 11, 12

Elective

1 Semester

½ credit

The purpose of this course is to expand on the fundamentals of the broad field of medical practice as it relates to physical activity and sport known as Sports Medicine. The course is designed to transition the student from the general concepts learned in Sports Medicine into the more specific and detailed concepts in Principles of Athletic Training. The course will allow students to make practical applications to the various domains of the field in terms of course content and field application skills. The domains within the Principles of Athletic Training include the evaluation, treatment and rehabilitation of the Shoulder, elbow, wrist and hand. The course will also address general injury rehabilitation and progression of both upper and lower extremities, the application of therapeutic modalities and physiology of exercise. The course will conclude with general internal medicine and the psychology of sport.

Information Technology

The Information Technology Department is committed to ensuring that current information technology is available to students and that this technology is integrated into the school's curriculum. Students will develop the skills to explore their own interests via applications of various software packages, including the use of online resources. These electronic information resources are critical and essential to learning. This commitment will provide students with a broad understanding of information technology and the ability to apply this knowledge at work, school, and home.

BASIC COMPUTING

Grades: 9, 10, 11, 12

Elective

1 Semester

½ credit

Special note: This course is strongly recommended for all students before graduation; however, it is most strongly recommended for all freshmen.

Course Objectives

- To review the fundamentals and applications of the Microsoft Office suite, as well as Google Docs and Google Apps for Education.
- To become proficient with such word processing, editing, and presentation platforms, which will be used often in other classes.

INTRODUCTION TO GRAPHIC DESIGN

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Course Objective

- To develop skills required for desktop publishing by using programs such as Adobe Photoshop, Illustrator, and InDesign.

GRAPHIC DESIGN 2

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Introduction to Graphic Design

Course Objectives

- To continue building skills learned in the Introduction to Graphic Design class.
- To enhance skills in Photoshop and Illustrator.
- To introduce basic design concepts.

Mathematics

The Mathematics Department believes that a basic understanding of mathematical principles, as well as computational skills, are essential. Mathematics courses are organized so that students may experience success at different levels of achievement. Students are encouraged to use initiative and to become aware and accepting of their own particular abilities and of others' abilities. Thus, the Mathematics Department aims to give students a background in mathematics with the hope of inspiring them to meet their full mathematical potential.

ALGEBRA 1 CONCEPTS

Grade: 9

Required

2 Semesters

1 credit

Prerequisite: Placement test score or recommendation

Note: Algebra 1 Concepts is not intended to be adequate preparation for those who plan to major in mathematics or a heavily math-based field in college.

Course Objectives

- To review the natural number properties and concepts, as well as the properties of addition, subtraction, multiplication, and division, and to use them in calculations solving equations and applications.
- To strengthen general arithmetic skills including decimals, fractions, and percents.
- To review LCM and GCF.
- To work on exponent properties.
- To solve problems using formulas.
- To be able to solve and graph linear equations and linear inequalities of one or two variables.
- To be able to solve systems of two equations in two variables.
- To be introduced to quadratic equations, factoring, and graphing.

ALGEBRA 1

Grade: 9

Required

2 Semesters

1 credit

Prerequisite: Placement test score or recommendation

Course Objectives

- To review the natural number properties and concepts, as well as the properties of addition, subtraction, multiplication, and division, and to use them in calculations solving equations and applications.
- To reinforce arithmetic skills.
- To work on exponent properties.
- To solve problems using formulas.
- To be able to solve and graph linear functions and linear inequalities of one or two variables.
- To be able to solve systems of two equations in two variables.
- To be able to factor and solve quadratic equations.
- To be introduced to quadratic graphs.
- To stress the fundamental principles of algebra as a preparation for higher math studies.
- To encourage proficiency in various levels of worded problem solving.

ALGEBRA 1 HONORS*Grade: 9***Required**

2 Semesters

1 credit

*Prerequisite: Placement test score or recommendation**Course Objectives*

- To review the natural number properties and concepts, as well as the properties of addition, subtraction, multiplication, and division, and to use them in calculations solving equations and applications.
- To reinforce general arithmetic skills.
- To be able to write, solve, and graph linear functions and linear inequalities of one or two variables.
- To develop an understanding of signed number operations and the use of variables in equation solving and in solving inequalities.
- To be able to solve and graph systems of equations using multiple algebraic methods.
- To stress the fundamental principles of algebra as a preparation for higher math studies.
- To encourage proficiency in various levels of worded problem solving.
- To be able to factor and solve quadratic equations.
- To be able to write and graph quadratic functions.
- To be able to write and graph exponential functions.
- To be able to use completing the square and the quadratic formula to solve and graph quadratic equations.

GEOMETRY CONCEPTS*Grade: 10***Required**

2 Semesters

1 credit

*Prerequisite: Algebra 1 Concepts or Algebra 1**Note: Geometry Concepts is not intended to be adequate preparation for those who plan to major in mathematics or a heavily math-based field in college.**Course Objectives*

- To reinforce arithmetic skills.
- To be able to name and construct points, rays, segments, lines, angles, parallel lines, and perpendiculars to segments.
- To use postulates and theorems of geometry in understanding and writing proofs.
- To be able to classify triangles and to name congruent triangles.
- To be able to prove theorems involving congruence and similarity of triangles.
- To investigate and apply the properties of quadrilaterals.
- To classify polygons and be able to find the measurement of their angles.
- To be able to find perimeter, area, circumference, radius, diameter, and volume.
- To use map and scale drawings.
- To use terms and apply theorems related to circles.
- To draw and interpret drawings of solid figures.

GEOMETRY*Grade: 10***Required**

2 Semesters

1 credit

*Prerequisite: Algebra 1 or Algebra I Honors**Course Objectives*

- To be able to name and construct points, rays, segments, lines, angles, parallel lines, and perpendiculars to segments.
- To develop deductive reasoning skills through the nature of proof.
- To be able to classify triangles and to name congruent triangles.
- To be able to prove theorems involving congruence and similarity of triangles.
- To classify polygons and be able to find the measurement of their angles.
- To investigate and apply the properties of quadrilaterals and other polygons.
- To be able to find perimeter, area, circumference, radius, diameter, and volume.
- To investigate and apply the theorems concerning the properties of circles, including area and circumference.
- To be able to perform constructions that apply the theorems and properties studied.
- To investigate surface area and volume of solid figures.
- To investigate right triangle trigonometry and its applications.

GEOMETRY HONORS*Grade: 10***Required**

2 Semesters

1 credit

*Prerequisite: Algebra 1 Honors, Geometry Honors as a freshman, or recommendation**Note: Incoming freshmen who wish to qualify for Algebra 2 must pass an Algebra 1 exam given by the NCC Mathematics Department.**Course Objectives*

- To understand points, lines, planes, angles, and perpendicular/parallel lines.
- To develop deductive reasoning skills through the nature of proof.
- To be able to prove theorems involving congruence and similarity of triangles.
- To investigate and apply the properties of quadrilaterals and other polygons.
- To investigate and apply the theorems concerning the properties of circles, including area and circumference.
- To be able to perform constructions that apply the theorems and properties studied.
- To investigate right triangle trigonometry and its applications.
- To investigate surface area and volume of solid figures.

ALGEBRA 2 CONCEPTS

Grade: 11

Required

2 Semesters

1 credit

Prerequisite: Algebra 1 Concepts or Algebra 1 and Geometry Concepts or Geometry

Note: Algebra 2 Concepts is not intended to be adequate preparation for those who plan to major in mathematics or a heavily math-based field in college.

Course Objectives

- To reinforce the concepts of operations on real numbers.
- To solve problems using simple, one-variable equations.
- To further develop the skill of graphing linear inequalities and solving them.
- To be able to perform operations involving positive and negative exponents and roots.
- To be able to perform operations with polynomials and factor the different types of polynomials.
- To further develop the skill of graphing relations and functions, both linear and quadratic, using a two-coordinate system.
- To be able to solve problems applying systems of linear equations.

ALGEBRA 2

Grade: 11

Required

2 Semesters

1 credit

Prerequisite: Algebra 1 and Geometry or Geometry Honors

Course Objectives

- To further develop the skill of graphing relations and functions, both linear and quadratic, using a two-coordinate system.
- To be able to solve problems applying systems of linear equations.
- To become familiar with various methods of solving first- and second-degree equations and inequalities.
- To be able to perform operations with polynomials.
- To recognize and use a wide variety of factoring patterns.
- To be able to solve problems applying systems of linear equations.
- To develop skills in handling rational and irrational algebraic expressions.
- To introduce complex numbers and define the four basic operations for complex numbers.
- To be able to solve systems of linear and quadratic equations.
- To work with exponential and logarithmic functions and rational expressions.

ALGEBRA 2 HONORS

Grade: 9, 10, or 11

Required

2 Semesters

1 credit

Prerequisite: Algebra 1 Honors, placement test score (freshmen), or recommendation

Note: Sophomores may “double up” and take Algebra 2 Honors and Geometry Honors simultaneously **only** if they plan to take Precalculus as juniors and Calculus as seniors.

Course Objectives

- To further develop the skill of graphing relations and functions, both linear and quadratic, using a two-coordinate system.
- To become familiar with various methods of solving first and second-degree equations and inequalities.
- To be able to perform operations with polynomials.
- To recognize and use a wide variety of factoring patterns.
- To be able to use completing the square and the quadratic formula to solve and graph quadratic equations.
- To develop skills in handling rational and irrational algebraic expressions.
- To introduce complex numbers and define the four basic operations for complex numbers.
- To be able to translate and transform parent functions of graphs.
- To be able to solve systems of linear and quadratic equations, including systems of three equations with three variables.
- To work with exponential, logarithmic, and trigonometric functions.
- To be able to write and graph exponential functions.
- To be able to perform operations with matrices.

TRANSITIONAL MATH IV

Grade: 12

Elective

2 Semesters

1 credit

Prerequisite: Algebra 2 Concepts or Algebra 2 and ACT math scores <19

Note: This course is designed for seniors who are not pursuing Precalculus. This course will aid in strengthening math skills before entering college. The course will prepare students to take the KYOTE college math placement test and work on ACT strategies with the hope of avoiding remedial-level math courses at the college level. Students who meet benchmark or higher by December have the option to drop the second half of this course if an alternate course is available. This course meets the requirement of a 4th year of mathematics.

Course Objectives

- To solve problems using the real number system.
- To solve problems using fractions, decimals, and percents.
- To use rules of exponents to simplify expressions.
- To solve and graph linear equations.
- To solve and graph linear inequalities.
- To solve problems involving factoring polynomials.
- To expand upon work done with rational expressions and complex fractions.
- To introduce students to college-level algebra topics.

ALGEBRA 3

Grade: 12

Elective

1 Semester

½ credit

*Prerequisite: Algebra 2 or Algebra 2 Honors and an ACT score of 19-21**Note: This course will build on the algebra foundation begun in Algebra 1 and 2 and will also extend learning into some college-level algebra topics. This course will also prepare students to take the KYOTE college math placement test and work on ACT strategies with the hope of avoiding remedial-level math courses at the college level. This course meets the requirement of a 4th year of mathematics.**Course Objectives*

- To solve problems using the real number system.
- To solve problems using fractions and percents.
- To write with positive and negative exponents.
- To solve problems involving factoring polynomials.
- To further explore linear and quadratic functions.
- To be able to solve problems applying systems of linear equations.
- To introduce triangle trigonometry and solve problems, including the angle of elevation and the angle of depression.
- To simplify and perform operations on rational expressions.

PRECALCULUS HONORS WITH TRIGONOMETRY

Grades: 11, 12

Elective

1 or 2 Semesters

½ or 1 credit

*Prerequisite: Algebra 2 or Algebra 2 Honors and ACT >22**Note: This course is an honors course intended for students who plan to take Calculus. This course meets the requirement of a 4th year of mathematics if taken during the senior year.**Course Objectives for Part A*

- To introduce students to the trigonometric functions as periodic functions and their properties.
- To be able to graph the trigonometric functions.
- To be able to evaluate trigonometric functions of 30°, 45°, and 60° angles located anywhere on the unit circle.
- To be able to convert between degrees and radians and between decimal degrees and degrees-minutes-seconds.
- To be able to solve trigonometric equations.
- To be able to solve triangles using trigonometric functions and the Law of Sines and the Law of Cosines.
- To use the trigonometric functions to solve applications involving triangles.
- To be able to solve trigonometric identities.
- To review and further develop topics from Algebra 2.

Course Objectives for Part B

- To understand functions, their inverses, and graphs, as well as their applications, including polynomial, rational, exponential, and logarithmic functions.
- To understand analytic geometry, including conics.
- To develop a basic understanding of sequences and series.

*Prerequisite: "C" average or higher in Precalculus or recommendation by the***CALCULUS HONORS**

Grades: 12

Elective

1 Semester

½ credit

Precalculus teacher

Note: This course is an honors course intended for students who want to be enrolled in only one semester of Calculus. Since the course is only one semester in duration, students enrolled in it will **not** be able to take the second half of Advanced Placement Calculus. This course meets the requirement of a 4th year of mathematics if taken during the senior year.

Course Objectives

- To reinforce the concepts learned in Precalculus and build on those concepts.
- To understand basic properties of limits and determine finite and infinite limits.
- To understand basic rules of differentiation and their applications.
- To solve maximum and minimum problems using the first and second derivatives.

ADVANCED PLACEMENT (AP) CALCULUS

Grades: 11, 12

Elective

1 or 2 Semesters

½ or 1 credit

Prerequisites: “B” average or higher in Precalculus or recommendation by the Precalculus teacher

Note: This course is intended to prepare students to take the College Board’s Advanced Placement Calculus A/B exam. Extensive use of graphing calculators will be a part of this course. This course meets the requirement of a 4th year of mathematics if taken during the senior year.

Course Objectives

- To reinforce the concepts learned in Precalculus and build on those concepts.
- To understand basic properties of limits and determine finite and infinite limits.
- To understand basic rules of differentiation and their applications.
- To solve maximum and minimum problems using the first and second derivatives.
- To understand simple antiderivatives, Riemann Sums, the definite integral, the Fundamental Theorem of Calculus, and the applications of the integral.
- To solve applications of the antiderivative, the Second Fundamental Theorem of Calculus, and the Trapezoidal Rule.
- To review and further develop skills using logarithmic, exponential, and the natural log functions.
- To develop integration techniques using more than one rule, including L’Hôpital’s Rule.

STATISTICS

Grades: 10-12

Elective

1 Semester

½ credit

Course Objectives

- To produce appropriate numerical, graphical and/or tabular summaries of data to investigate and describe the distribution of a variable or the relationship or association between two variables, correctly interpret correlation
- To distinguish between observational and experimental studies and evaluate the design of real studies
- To compute probabilities using discrete probability models and random variables, and demonstrate an understanding of independence
- To use the normal distribution to compute probabilities and make statements about the distribution of the sample mean or sample proportion under repeated independent sampling (Central Limit Theorem)
- To estimate a population parameter using point estimates and confidence intervals, and provide correct interpretations of the confidence interval, margin of error and confidence level
- To convert a research question into a statistical hypothesis, describe the logic of the test, and use the p-value or statistical significance to draw the correct conclusion

Science

The NCC Science Department believes that all students should have a solid, fundamental science education to help them meet the challenges and problems of today's world. Students are encouraged to develop an appreciation of the world's resources, an awareness of environmental issues, and a sense of inquiry. The required classes are designed to fulfill this departmental philosophy. Elective classes are designed to prepare the students for post-secondary education.

INTEGRATED SCIENCE

Grade: 9

Required

2 Semesters

1 credit

Note: This course is an introduction to the central sciences, which includes concepts in geology, astronomy, physics, and chemistry.

Course Objectives

- To develop basic concepts and vocabulary for the physical and central sciences.
- To develop fundamental skills needed in the scientific processes.
- To develop an understanding of how the physical science of Earth dictates the geological processes of our planet.
- To develop an understanding of our solar system and the planets within the solar system.
- To develop an understanding for the history of man's exploration of space and our future in space.
- To introduce laws found within the physical world (motion, forces, energy, work, and momentum).
- To integrate mathematics with science in real-world applications.
- To develop better problem-solving skills.
- To execute the use of formulas and equations used in future science classes.
- To develop an understanding of the relationship between mass and matter and the changes it undergoes.

CHEMCOM

CHEMISTRY IN THE COMMUNITY

Grade: 10

Required

2 Semesters

1 credit

Prerequisite: Integrated Science

Note: ChemCom is not intended to be adequate preparation for those who plan to major in science, engineering, or allied health fields (i.e. nursing, pre-medicine, pre-veterinary, pre-dentistry, pharmacy, etc.) in college. Students looking to pursue a career in one of these fields are advised to take Chemistry 1.

Course Objectives

- To enhance science literacy by emphasizing chemistry's impact on society.
- To educate a student who will become a citizen, but not necessarily a scientist, in a technological society.
- To encourage students to integrate chemistry concepts into real-world situations.
- To develop the student's vocabulary, critical thinking, and problem-solving skills in the following areas: water, chemical resources, petroleum, food, nuclear chemistry, air and climate, health, and chemical industry.

CHEMISTRY 1

Grade: 10

Required

2 Semesters

1 credit

Prerequisites: Algebra 1 (passed during school year); Integrated Science (passed during school year)

Note: Laboratory sessions are an integral part of this course.

Course Objectives

- To develop the student's understanding of the following chemistry topics: measuring and calculating, matter, atomic structure, the periodic table and the elements, chemical bonding, and solids, liquids, and gases.
- To develop the student's problem-solving ability in the following areas: chemical formulas and equations, the mole, chemical reactions, and acids and bases.
- To prepare college-bound students for introductory college chemistry.

CHEMISTRY 1 HONORS

Grade: 10

Required

2 Semesters

1 credit

Prerequisites: Algebra 1 (passed during school year); Integrated Science (passed during school year)

Note: Laboratory sessions are an integral part of this course.

Course Objectives

- To develop the student's understanding of the following chemistry topics: measuring and calculating, matter, atomic structure, the periodic table and the elements, chemical bonding, and solids, liquids, and gases.
- To develop the student's problem-solving ability in the following areas: chemical formulas and equations, the mole, chemical reactions, and acids and bases.
- To prepare college-bound students for introductory college chemistry.
- To enhance learning by developing independent study skills.
- To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the Chemistry 1 class.

CHEMISTRY 2 HONORS

Grades: 11, 12

Elective

2 Semesters

1 credit

Prerequisite: Chemistry 1 Honors or recommendation by the Chemistry 1 teacher

Course Objectives

- To develop a better appreciation for the various aspects of chemistry.
- To better prepare college-bound students planning on majoring in the sciences or engineering for higher-level chemistry classes.
- To develop the student's understanding of the following chemistry topics: molecular structure, organic chemistry, acids and bases, molecular geometry, advanced stoichiometry, electrochemistry, equation-writing, and green chemistry.
- To develop the student's problem-solving ability in the following areas: chemical formulas and equations, gases and the mole, reaction rates, chemical equilibria, oxidation-reduction, molecular geometry, and possibly some organic chemistry.

BIOLOGY*Grade:* 11**Required**

2 Semesters

1 credit

Course Objectives

- To develop an understanding of concepts and vocabulary in a survey of the life sciences, which may include studies of cell biology, genetics, plants, animals, ecology, the chemistry of life, and the origin of life forms.
- To develop laboratory skills.
- To use the scientific method in problem-solving.
- To prepare students for more advanced science courses.

BIOLOGY HONORS*Grade:* 11**Required**

2 Semesters

1 credit

Prerequisite: "B" average or higher in Chemistry*Course Objectives*

- To develop an understanding of concepts and vocabulary in a survey of the life sciences, which may include studies of cell biology, genetics, plants, animals, ecology, the chemistry of life, and the evolution of the origin of life.
- To develop laboratory skills.
- To use the scientific method in problem-solving.
- To prepare students for more advanced science courses.
- To enhance learning by developing independent study skills.
- To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general biology class.

ADVANCED PLACEMENT (AP)**BIOLOGY***Grades:* 11, 12**Elective**

2 Semesters

1 credit

Prerequisites: Integrated Science; Chemistry; Algebra

Note: This course is designed for the serious science student, a junior or senior who wishes to take a second course in biology. It will be a rigorous biology course at a college-level pace in preparation for the AP exam in May, and students should feel confident in science and math skills from previous coursework.

Course Description

This course will cover the topics most often found in a general college biology course under the main headings of (1) molecular and cellular biology, (2) genetics and evolution, and (3) organisms and populations. Through lectures, readings, and laboratory experiments, these topics will be explored with the course objectives in mind.

Course Objectives

- To know the basic facts, principles, and processes of biology.
- To understand the means by which biological information is collected and interpreted, as well as how hypotheses are formulated.
- To understand the social consequences of advancements in biological science.

ENVIRONMENTAL SCIENCE

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Integrated Science (passed during school year)

Course Objectives

- To become familiar with the various terrestrial and aquatic ecosystems and the plants and animals which inhabit them.
- To learn about the biological and physical cycles that dictate life within an ecosystem.
- To arrive at practical solutions for the protection of these ecosystems.

HISTORY OF SCIENCE

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Integrated Science, recommended to take Chemistry first.

- A historical perspective on the influence and outcomes science on society throughout the ages. Topics will move from the Ancient Greeks and Aristotle up to modern day.
- Topics addressed include; Big Bang theory, Elementary principles, Newton's laws, Periodic principles, Evolution, Introductory Thermodynamics, Electronics, Biology, Ecology, and Medicine.
- Scientists studied include: Pythagoras, Archimedes, Galileo, Descartes, Newton, Faraday, Einstein, Bohr, Hooke, Margulis, Darwin, Wallace, Gould, and many more.

INVERTEBRATE ZOOLOGY

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Integrated Science (passed during school year)

Course Objectives

- To examine invertebrate taxonomy.
- To explain different invertebrate morphology (body systems/ functions, shapes, and life cycles).
- To explore, collect, and create the environment/ecosystems in which invertebrates are found.
- To maintain and improve lab safety techniques and collection ethics.
- To work within the community to explore the importance of invertebrate ecosystems within our area.
- To advance higher learning of those with an interest in biology and to further explore topics seen in biology.

METEOROLOGY

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Prerequisite: Integrated Science (passed during school year)

Course Objectives

- To develop an understanding of the forces that drive the winds and weather patterns on the Earth.
- To name and explain the instruments used in documenting and predicting weather.
- To learn the symbols of and interpret patterns on a weather map.
- To study the local climate and learn about the directions and interactions of weather systems affecting our local area.
- To study the history of meteorology, weather satellites, and the impact of weather on people and their lives.

ANATOMY AND PHYSIOLOGY**HONORS**

Grade: 12

Elective

2 Semesters

1 credit

*Prerequisite: Only open to seniors; Teacher recommendation**Course Objectives*

- To introduce the student to the normal functioning of human body systems.
- To help students become familiar with the functions of various anatomical structures.
- To help students understand the consequences of diet and hygiene on the normal operation of the body.
- To provide students with the background to take classes at the college level.

ADVANCED PLACEMENT (AP)**PHYSICS 1****ALGEBRA-BASED**

Grades: 11, 12

Elective

2 Semesters

1 credit

Special note: Since the 2014-2015 school year, the College Board has changed AP Physics B, a one-year course, into two, one-year courses: AP Physics 1 and AP Physics 2. Each will be the equivalent of one semester of college physics. AP exams will be administered for each of these two courses starting in spring 2015. Only one of these courses will be offered each year at Newport Central Catholic High School.

AP Physics 1 will cover topics in Newtonian mechanics; work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. AP Physics 2 will cover topics in fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Students should check with the AP Physics teacher to learn which AP Physics course will be taught each school year.

Special note: The following information, as well as grade-level availability, elective status, and semester/credit details, applies to each of these courses.

Prerequisite: 87% or higher in Algebra 2 Honors (proficiency in trigonometry and plane geometry is recommended) It is recommended but not required that AP Physics 1 be taken before AP Physics 2. If AP Physics 2 is taken before AP Physics 1, a summer assignment is required.

Note: Students should realize that this is a college-level course that moves at a fast pace. They should also remain aware that extra work, including outside class assignments, will be required and that high-level math skills will also be required.

Course Objectives

- To develop an in-depth understanding of the laws and principles governing the physical world.
- To develop proficiency in the scientific practices as follows:
 - To use representations and models to communicate scientific phenomena and solve scientific problems.
 - To use mathematics appropriately.
 - To engage in scientific questioning to extend thinking or to guide investigations.
 - To plan and implement data collection strategies in relation to a particular scientific question.
 - To perform data analysis and evaluation of evidence.
 - To work with scientific explanations and theories.
 - To connect and relate knowledge across various scales, concepts, and representations in and across domains.

PHYSICS 1 HONORS

Grades: 10, 11, 12

Elective

2 Semesters

1 credit

Prerequisite: 87% or higher in Algebra 2 Honors (proficiency in trigonometry and plane geometry is recommended)

Note: This course will be taught concurrently with the AP Physics courses described above. There will be, however, less emphasis on the science practices (including laboratory work), as well as less independent work outside of class. The topics covered each school year will be as described for the AP Physics courses.

Course Objective

- To develop an understanding of the laws and principles governing the physical world.

Social Studies

The goal of the Social Studies Department at NCC is to reveal to the student, through the study of the social sciences, how institutions, ideas, and customs have developed. Contemporary questions and issues are studied to develop a sense of the responsibilities the student must assume as a citizen and a future leader. One of the principal goals of social studies today is to develop in the student the intellectual and emotional capacity to cope with continual change and marked diversity in our society.

MODERN WORLD CIVILIZATION

Grade: 10

Required

2 Semesters

1 credit

Course Objectives for Part A

- To get an understanding of world cultures and events from the Islamic Empire through the Age of Napoleon.
- To develop the students' skills in using maps, charts, tables, and diagrams.
- To utilize the textbook and outside sources to enhance the study of topics as outlined in the syllabus.
- To examine cultural traits of those topics and apply them to the present day.
- To develop skills for taking tests that would improve ACT scores.

Course Objectives for Part B

- To get an understanding of world cultures and events from The Industrial Revolution to a study of the Middle East.
- To develop the students' skills in using maps, charts, tables, and diagrams.
- To utilize the textbook and outside sources to enhance the study of topics as outlined in the syllabus.
- To examine cultural traits of those topics and apply to them to the present day.

ADVANCED PLACEMENT (AP) MODERN WORLD CIVILIZATION

Grade: 10

Elective

2 Semesters

1 credit

Prerequisite: 93% or above in English from freshman year or specific recommendation by a Social Studies teacher

Note: Students must realize that this is a college-level course that moves at a fast pace. They should also understand that extra work, including reading and outside class assignments, will be required.

Course Objectives

- To give students a college experience in world civilization.
- To heighten the ability to see relationship and distinction in world political, social, economic, and intellectual history.
- To develop the ability to extract from primary documents and secondary sources research instruments that will demonstrate interpretative and analytical ability.
- To read historical materials astutely and write effectively.
- To develop within the student the ability to weigh evidence and reach conclusions on the basis of facts, not prejudice.
- To handle the discipline of college-level work and prepare for the Advanced Placement exam.

UNITED STATES HISTORY

Grade: 11

Required

2 Semesters

1 credit

Course Objectives

- To survey United States history from 1850 to 1920 (Part A).
- To survey United States history from 1920 to 1980 (Part B).
- To develop the students' skill in using maps; interpreting charts, tables, diagrams, graphs, and timelines; and using primary and secondary historical sources.
- To develop the skills necessary for writing historical compositions and critiques.
- To develop skills for taking an essay test.
- To stress current events regarding contemporary America.

**ADVANCED PLACEMENT (AP)
UNITED STATES HISTORY**

Grade: 11

Elective

2 Semesters

1 credit

Prerequisite: 87% or higher in Modern World Civilization or English from sophomore year; AP Modern World Civilization

Note: Students must realize that this is a college-level course that moves at a fast pace. They should also understand that extra work, including reading and outside class assignments, will be required.

Course Objectives

- To give students a college experience in United States history.
- To study United States history in depth from 1400 to the present.
- To find cause and effect relationships in the facts of United States history.
- To prepare students for the Advanced Placement exam in May.
- To sharpen the students' skills in writing and document interpretation.

AMERICAN GOVERNMENT

Grades: 10, 11, 12

Required

1 Semester

½ credit

Course Objectives

- To complete a study of the origins of American government.
- To complete a study of the Declaration of Independence, as well as an understanding of the U.S. Constitution and the Amendments.
- To get an understanding of the political process at the national level.
- To complete a project with an emphasis upon national, state, and local governments.
- To utilize speakers from the community involved in local government.
- To get an understanding of topics related to government as outlined in the syllabus.
- To develop skills for taking tests that would improve ACT scores.

ADVANCED PLACEMENT (AP) UNITED STATES GOVERNMENT

Grades: 10, 11, 12

Elective

2 Semesters

1 credit

Note: Students will be required to participate in classroom discussions, as well as to complete projects that will be assigned during the course of their study. They must realize that this is a college-level class that moves at a fast pace.

Course Description

This course covers a variety of topics relating to government. Topics to be discussed in class include the origins of American government, political beliefs and behavior, political parties, interest groups, mass media, government institutions, public policy, and civil rights and liberties. Students will learn how these institutions work together and how they check on each other.

Course Objectives (from the AP U.S. Government workshop handbook)

- To know important facts, concepts, and theories pertaining to U.S. government and politics.
- To understand typical patterns of processes and behavior and their consequences.
- To be able to analyze and interpret basic data relevant to U.S. government and politics.
- To be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum.

Course Objectives

- To study the physical geography of the world.
- To identify geography skills, such as map reading, topography, and land location.
- To understand the relationship between the land and the people who live on the land.
- To understand the political, economic, and social significance of each country taught.

Course Objectives

- To describe the trial process.
- To explain the differences between civil and criminal laws and between civil and criminal trials.
- To understand the rights given by the Constitution.
- To describe the rights of a person accused of crimes and identify defense charges of criminal conduct.
- To show the history and current issues revolving around capital punishment.
- To have an understanding of civil, family and consumer law.

GEOGRAPHY

Grades: 9, 10

Required

1 Semester

½ credit

LAW AND JUSTICE

Grades: 11, 12

Elective

1 Semester

½ credit

PSYCHOLOGY

Grades: 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To introduce students to the historical development of psychology.
- To introduce students to the cognitive processes of learning, memory, and thought.
- To introduce students to the physiological bases of behavior, including the brain and nervous system.
- To introduce students to the topics of motivation and emotion.
- To introduce students to the topic of altering consciousness by thought, sleep, hypnosis, and chemical substances.
- To introduce the topic and methods of stress management and positive mental health.
- To introduce the topics of neurosis and psychosis.

ADVANCED PLACEMENT (AP) PSYCHOLOGY

Grade: 11, 12

Elective

2 Semesters

1 credit

Prerequisite: Current Juniors must have met set scores on the ASPIRE and have counselor signature. **Current seniors must have 85% or higher in Psychology or 90% or higher in English from junior year.**

Note: Students must realize that this is a college-level course that moves at a fast pace. They should also understand that extra work, including reading and outside class assignments, will be required. Students should have a sincere interest in psychology and be able to work independently with minimal supervision.

Course Objectives

- To give students a college experience in psychology.
- To study the historical development of psychology.
- To study the basics of research, experimentation, and descriptive statistics.
- To study cognitive processes, such as learning, memory, and thought.
- To study the biological bases of behavior, including the brain and nervous system.
- To study motivation and emotions.
- To explore the alteration of consciousness, including chemical and non-chemical methods such as hypnosis and sensory deprivation, sleeping and dreaming.
- To study personality theory.
- To study the breakdown of the personality, neuroses, and psychoses.
- To prepare for the Advanced Placement exam in May.

SOCIOLOGY

Grade: 12

Elective

1 Semester

½ credit

Course Objectives

- To define and understand sociology.
- To explore the student's understanding of relationships.
- To understand cultural differences.
- To comprehend the functions of society.

CIVIL WAR

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To describe Northern and Southern views on slavery.
- To examine the effects of the Compromise of 1850.
- To summarize the significance of the election of 1860.
- To describe the weapons and technology used during the Civil War.
- To explain the advantages and strategies for the North and South.
- To identify the importance of the Emancipation Proclamation.
- To explain how Gettysburg and Vicksburg changed the Civil War.
- To assess the impact of governmental programs for freedmen and racial terrorism in the South during the Reconstruction era.

CURRENT EVENTS

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To help students use the Internet and Chromebooks, which will help them on standardized tests.
- To use the Internet and Chromebooks to help students expand their vocabulary.
- To increase the student's awareness of and interest in current events.
- To learn the names of local governments and their personnel.
- To become familiar with states and relevant topics.
- To have students become aware of the national news and what goes on in their country.
- To have countless discussions of news topics.

EARLY AMERICAN HISTORY

Grades: 10, 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To survey United States history from 1492 to 1850.
- To examine the colonial system, as well as its development and disintegration.
- To understand the causes and effects of American wars.
- To understand the development of the early states and the Constitution.
- To examine the causes of westward expansion.

Note: Offered through the Business Department, this course may be used to fulfill ½ credit of the social studies requirement for graduation.

ECONOMICS

Grades: 11, 12

Elective

1 Semester

½ credit

Course Objectives

- To understand the fundamental concepts of both micro, macro, and international economics.
- To understand the meaning of economics.
- To examine the concepts of supply and demand.
- To understand the process of financing a business and free enterprise.
- To understand consumers, savers, and investors, as well as their role in the economy.

HOLOCAUST STUDIES

Grades: 9-12

Elective

1 Semester

½ credit

Course Description

This one semester course assists students in developing an understanding of the causes and ramifications of a watershed event in human history. Through use of primary source readings, film and internet resources, students will appreciate the dangers of remaining silent, apathetic and indifferent in the face of others' oppression. In this course, students will be afforded the opportunity to attend various workshops and presentations by survivors and experts in the field of Holocaust history.

Course Objectives

- To understand the foundations of the Holocaust
- To study the rise of Hitler and Nazism
- To study the Anschluss and the invasion of Europe and to understand the impact of Nazism on the territories under siege.
- To identify what the "Final Solution" was, to know the various elements that comprised it and to understand the motivations behind it.
- To study the various types of resistance to Nazi action, to understand the motivations of those who resisted as victims, and those who resisted as a form of rescue
- To study the last years of the Holocaust and to understand the concept of "return to life" and how victims were or were not able to do that.
- To be introduced to other historical genocides and to understand that these are not limited to any specific time period, region of the world or certain type of victim.

KENTUCKY HISTORY

Grades: 9, 10

Elective

1 Semester

½ credit

Course Objectives

- To explore the founding, maintaining and cooperation of the Commonwealth of Kentucky.
- To teach students not only about the beginnings of the state of Kentucky but also to discuss the rich history regarding agriculture, coal mining, culture, horse-racing, and other miscellaneous materials that make Kentucky the state that it is.
- To discuss regional history specifically Northern Kentucky history and the history of Cincinnati, as it impacts the students today.
- To prepare regional history projects, hear from local historians, and have opportunities to visit a variety of local historical sites.

MODERN AMERICAN CONFLICTS*Grades: 9-12***Elective**

1 Semester

½ credit

Course Description

This one semester course assists students in developing an understanding of the many conflicts and issues that America has faced from World War II to the present day. There will be a focus on the many wars and conflicts that America was involved in after World War II during the Cold War and after the fall of the USSR and the rise of terrorism throughout the world. We will also study the idea of the superpower of the United States and how it stands in the world today.

Course Objectives

- To understand the importance of World War II for the United States
- To study the rise of the two Superpowers in the 1950s
- To study the idea of the Cold War and the conflicts that occurred between the USSR and the USA, especially the two major alliances- NATO and the Warsaw Pact
- To identify what the “Cuban Missile Crisis” was, to know the various elements that comprised it and to understand the motivations behind it.
- To study the various types of “races” that occurred throughout the 1960s and 1970 between the USA and USSR (space race, arms race)
- To study the two major police actions that the United States was involved in: Korean War and Vietnam War and the aftermath of both
- To study the causes of the fall of the USSR and how the United States helped those countries who were former satellites
- To be introduced to the rise of terrorism in the Middle East and throughout the world
- Study the importance of the UN and how they help/hinder nations reach peaceful solutions to problems

Theology

The curriculum and goals of the Theology Department are reflected in every subject studied, every sport played, and every activity performed. The doctrines of faith are put into action through frequent celebration of the Mass and the Sacrament of Reconciliation. Newport Central Catholic's Community Service Program, Retreat Program, and everyday communal prayer promote what it means to live a devout Catholic faith life.

INTRODUCTION TO SCRIPTURE

Course Description

Grade: 9

Required

1 Semester

½ credit

Students will gain a general knowledge and appreciation of Sacred Scripture. In this course, they will learn about the Bible, authored by God through inspiration, and its value to people throughout the world. Students will learn how to read the Bible and become familiar with its major sections.

Course Objectives

- To distinguish, compare, and contrast the ways that God reveals Himself through natural and divine revelation.
- To understand how the Bible came to be, its authorship and inspiration, and how to use the Bible for prayer.
- To gain a deeper understanding of Scripture using the four senses of Scripture (literal, allegorical, moral, and anagogical).
- To distinguish between theological, scientific, and historical truth and be able to explain why they cannot conflict.
- To identify the major sections of both the Old and New Testaments and how they unite to tell the story of salvation.
- To compare and contrast the Four Gospels and illustrate how they lead us to accept Jesus Christ and apply His teachings in our everyday life.
- To explain the role of the Magisterium in our understanding of the Bible.

BLESSED TRINITY

Course Description

Grade: 9

Required

1 Semester

½ credit

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God and the Second Person of the Trinity. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

Course Objectives

- To describe what faith is and how faith in Jesus Christ leads to discipleship.
- To compare and contrast the three persons of the Trinity and explain their relationship to one another.
- To describe Mary's role in the life and prayer of the Church, as well as to identify the various Marian dogmas.
- To describe the mystery of the Incarnation and define the hypostatic union.
- To describe how Jesus reveals what it means to be human and how we are called to be in good, healthy relationship with God and others.
- To defend the existence of God using arguments from reason, revelation, and faith.

MISSION OF CHRIST

Grade: 10

Required

1 Semester

½ credit

Course Description

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Students will learn from this course that, from all of eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. Students will also learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Course Objectives

- To be able to list our beliefs taken from the creation narrative.
- To identify key passages from Scripture of a Messiah and how Jesus fulfills these promises.
- To articulate that our redemption was accomplished through the Paschal Mystery.
- To know the implications of this redemption for believers and understand the universal call to holiness.
- To develop a strong attitude toward prayer, which is essential to the life of a believer.

CHRIST AND THE CHURCH

Grade: 10

Required

1 Semester

½ credit

Course Description

This course is the second part of the sophomore curriculum. This course aims to help students understand that in and through the Church, they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by the Holy Spirit. The students will come to know that the Church is the living Body of Christ today, which has both divine and human elements. In this course, students will learn the life of the Church and the sacred nature of the Church.

Course Objectives

- To identify Scripture passages that show the origins and structure of the early Church.
- To explain the Holy Spirit's role in the development of the Church and Her activity today.
- To analyze and compare the images of the Church in the Old and New Testaments.
- To name and explain the four marks of the Church.
- To identify the purpose and mission of the Church in the world and Her role therein.
- To characterize the relationship between belonging to the Church and one's personal journey of salvation.
- To strive to live the Gospel and carry it to others.
- To gain an ability to intelligently read the New Testament and to understand the basic themes, background, and theology.

SACRAMENTS

Grade: 11

Required

1 Semester

½ credit

Course Description

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

Course Objectives

- Students will be able to define “sacrament” and understand the purpose of them and the Church within the economy of salvation.
- Understand the scriptural background, historical development, essential elements, rites, requirements and the effects and implications of the 7 sacraments.
- The students will understand the importance of regular confessions in living a holy life.
- Students will be able to state the difference of receiving Eucharist within the Mass and Communion at a Protestant service.

MORAL LIVING IN CHRIST

Grade: 11

Required

1 Semester

½ credit

Course Description

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Course Objectives

- To summarize God's plan for us.
- To explain the Catholic teaching regarding the dignity of the human person.
- To understand free will and how this gift affects our relationship with God.
- To compare and contrast Eternal Law and Natural Moral Law.
- To interpret and apply the Ten Commandments.
- To illustrate the call to holiness and understand how prayer, as well as Cardinal and Theological Virtues, help us to live a moral life.
- To define and explain the effects of original sin and illustrate the power of the Holy Spirit in bringing people to repentance and conversion.
- To examine the challenges that will be faced living a moral life.
- To explain why morally good living leads to true freedom.

THE CALL OF CHRIST ON CHRISTIAN VOCATION

Grade: 12

Required

1 Semester

½ credit

Course Description

The purpose of this course is to help the student understand the vocations of life as how Christ calls us to live. In this course, students will learn how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. The course will also incorporate Theology of the Body. Students will learn what it means to live for the benefit of others and the value in considering a vocation in service to the Christian community.

Course Objectives

- To compare and contrast the difference between a “job” and a vocation.
- To define discernment and use discernment techniques.
- To explain how living one’s vocation reflects Trinitarian life.
- To discuss the four types of vocations and how they are rooted in Scripture, the focus of each vocation, and the challenges of each vocation.
- To understand the foundation of Theology of the Body (i.e. Pope John Paul II’s integrated vision of the human person as body, soul, and spirit, as well as how the human body reveals answers to fundamental questions about us and our lives [see also <http://theologyofthebody.net/>]).

(Required) ELECTIVES:

NOTE: Seniors are required to take one of these two courses.

CATHOLIC SOCIAL TEACHING

Grades: 12

Elective

1 Semester

½ credit

Course Description

The purpose of this course is to introduce students to the Church’s social teaching. In this course, students will learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission.

Course Objectives

- To cite Scriptural roots for Catholic social teaching.
- To name major papal encyclicals and pastoral letters on social justice.
- To name the seven principles of Catholic social teaching.
- To justify why the life and dignity of the human person is a core Catholic social teaching.
- To assess different societal systems in how they promote or detract from living out the Ten Commandments.

**WORLD RELIGIONS & THE
CATHOLIC FAITH**

Grades: 12

Elective

1 Semester

½ credit

Course Description

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to Her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practices differ from the Catholic faith.

Course Objectives

- To trace Divine Revelation through the Old and New Testaments.
- To explain the Divine foundation of the Catholic Church.
- To study the similarities and differences between the Catholic Church and other Christian and Ecclesial Communities.
- To understand the relationships between the Catholic Church and the Jewish people.
- To define the beliefs of non-Christian religions.
- To understand the importance, requirements and challenges of interreligious dialogue.
- To state the Church's stance on ecumenism as stated in Vatican II.

General Courses

Transcending the confines of a single academic department, NCC is pleased to be able to offer the following electives in addition to our departmental course offerings. These electives are not available to freshmen.

ACT PREP COURSE

Grades: 10, 11, 12

Registration priority is given to juniors, then seniors; sophomores can enroll as space permits

Elective

1 Semester

½ credit

Course Description

This course covers material found on the ACT exam in English, math, reading, and science. All content tested on the ACT exam will be reviewed, as well as the structure and flow of the exam. Additionally, the ACT preparation course reviews strategies designed to help students improve their score. This course is recommended for all juniors, especially, but is also open to sophomores and seniors.

STUDY HALL

Grades: 10, 11, 12

Elective

1 or 2 Semesters

No credit

Course Description

Study halls run a semester in length and are available to sophomores, juniors, and seniors. Interested students must receive a counselor's signature on the course request form to enroll in a study hall. Freshmen will only be allowed in study halls with a specific request from parents and permission from school counselors.

TEACHING AND OFFICE ASSISTANT / TOA

Grade: 12

Elective

1 Semester

No credit

Note: A student may only sign up for one TOA "class." There is an application process in which students must create a résumé, get two letters of recommendation from teachers, and write a letter in which they explain their desire to be a teaching assistant. The student must be in good academic standing, have shown self-starting abilities, and have strong interpersonal communication skills. This class will receive a "P" on the transcript, which will neither help nor hurt the student's grade point average.

Course Objectives

- To allow students real-world office experience.
- To allow students an opportunity to see the "behind the scenes" operation of a school.
- To help students foster and build interpersonal communication skills.
- To provide students an opportunity for a hands-on and practical workplace experience.

Dual Credit Courses

The following two courses are taught in-house and in conjunction with Thomas More College.

ELIGIBILITY

Gemini is open to junior and senior high school students who:

- Have submitted a high school transcript showing the student has completed 2 units of English, 2 units of Mathematics, 2 units of Science and 2 units of Social Studies.
- Have an overall GPA of 3.5 or better in the above units.
- If the student has taken a standardized test (ACT or SAT), it is requested that the student submit those scores alongwith their transcript.

For TMC, students may take up to seven credit hours through the Early Admissions and Dual Credit Programs. Exceptions may be granted on a case-by-case basis to any student who requests to enroll in more than seven credit hours or does not meet the above eligibility requirements, subject to the joint approval of TMC's Vice President for Academic Affairs and the student's guidance counselor. To register for subsequent semesters a cumulative GPA of 2.0 must be maintained in Thomas More courses. This requirement is set up to assist students in meeting the goal of successfully earning college credit at the high school level.

MUSIC 100 - MUSIC APPRECIATION

Grades: 11, 12

Elective

1 Semester

½ credit

Survey of the development of music in Western civilization, with emphasis on the interdependence of classical music with art, literature, politics, religion, socio-economic changes, and world influences. Emphasis will be placed on developing a working knowledge of musical vocabulary and rhetoric, listening skills and the ability to identify differing musical styles, as well as familiarity with monuments of music and major composers. General education credit: Culture and Creativity”

ATP 108 - Principles of Athletic Training

Grades: 11, 12

Elective

1 Semester

½ credit

The purpose of this course is to expand on the fundamentals of the broad field of medical practice as it relates to physical activity and sport known as Sports Medicine. The course is designed to transition the student from the general concepts learned in Sports Medicine 1 into the more specific and detailed concepts in Sports Medicine 2. The course will allow students to make practical applications to the various domains of the field in terms of course content and field application skills. The domains within Sports Medicine 2 include the evaluation, treatment and rehabilitation of the Shoulder, elbow, wrist and hand. The course will also address general injury rehabilitation and progression of both upper and lower extremities, the application of therapeutic modalities and physiology of exercise. The course will conclude with general internal medicine and the psychology of sport.

NKU School-Based Scholars Program

The School-Based Scholars Program is designed to offer high school students access to up to 8 Northern Kentucky University courses while still in high school. NCC will allow students to take select classes through NKU.

These courses:

- Cannot already be offered at NCC;
- If an elective and offered at NCC, the student is unable to take the course offered at NCC because of an unavoidable scheduling conflict, and the student can demonstrate a need for the this course; and,
- The principal or his/her designee, with agreement from the student's teachers and parents/guardians, determines the student requires a differentiated or accelerated learning environment.
- Students will not be permitted to leave school during the day to attend NKU courses.

In order to qualify for this program, students must meet the following criteria:

- Have completed the sophomore year of high school;
- Have an ACT score of 20 or higher. If a student has taken the ACT, the ACT score must be used as the admission requirement;

NOTE: If a student has not taken the ACT, he/she may submit a recommendation from the guidance counselor and demonstrate he/she has a 3.0 GPA in addition to meeting the other prerequisites

- Must have a cumulative GPA of 3.00 or higher on a 4.0 scale;
- Must maintain a grade of C or higher in each NKU course in order to continue in the program;
- Must have written permission from the high school and a parent;
- Must meet any prerequisites for the specific NKU courses in which the student intends to enroll.

Students who meet the above criteria will have to do the following:

- Complete an NKU early admissions application along with a \$40 non-refundable application fee. (Please visit <http://adultlearner.nku.edu/programs/schoolbasedscholars/applications.html> for access to the online application and disclosure page;
- Submit to NKU an official high school transcript (mailed);
- Submit to NKU an official ACT, SAT, or PSAT score report (mailed)

Upon acceptance the student will be responsible for the following:

- Purchase a textbook for the class (\$75-\$150 average)
- Pay the fee for each class of approximately \$225.00 (plus any applicable course fees – online courses have a \$35 fee per credit hour – subject to change at NKU's discretion). The Mary Jo Young Scholarship is available to help pay for the course and reimburse for some of the book expenses for students who participate in the Federal Lunch Program. The number of scholarships is limited. For more information, visit <https://www.kheaa.com/website/kheaa/mjyoung?main=1>

NOTE: Continuing enrollment: Students who wish to take classes for more than one semester must submit an updated transcript with high school GPA and test scores before registering each subsequent semester.

Students will earn credit at Newport Central Catholic for online courses as well as earning college credit at NKU. Since NKU is an accredited university, these college credits are transferable to most other universities. (There is, however, no guarantee that all universities will accept them. As a result, students are encouraged to consult their intended colleges and universities to see how NKU credits will transfer.) The 2015-2016 cost of approximately \$225 per course (plus textbook and fees) is an exceptional opportunity for our students, especially when you understand that to take one course as an undergraduate at NKU would cost \$1059 for a 3 credit hour class, not including books and fees.

If number grades are reported to NCC from NKU, those number grades will be used on the NCC transcript. If a letter grade is reported to NCC from NKU, the letter grades will be assigned the following values on the high school transcript:

A = 93-100	B - = 80-82	D+ = 72-73
A- = 90-92	C+ = 77-79	D = 70-71
B+ = 87-89	C = 76-78	D- = 68-69
B = 83-86	C- = 74-75	F = 67 or below

***NOTE: Online dual credit options are also available through Northern Kentucky University, NKU. Qualified students may take these dual credit classes as a part of their regular school schedule during the day. Because NKU will release their dual credit options after this document will have gone to print, interested students should contact the school for a list of courses to be offered during the 2017-2018 school year.**



HIGH SCHOOL DATA SHEET

Use this form to keep track of your activities starting in the ninth grade. List all honors and awards you receive, organizations you join, and offices you hold. If this sheet is updated each year, the activities section of the college application will prove much easier to complete. You may also be able to use these data in a résumé when looking for a job.

HIGH SCHOOL DATA SHEET		Name:		
NCC School Code: 181973	Cumulative GPA:		ACT Scores:	
	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Honors & Awards				
Organizations				
Offices Held				
School Activities				
Outside Activities				
Work Experience <i>(paid or voluntary)</i>				
Service				



INDIVIDUAL GRADUATION PLAN

Students need to give serious consideration to the choice of subjects as they relate to career goals. Parents, teachers, counselors, and persons working in the fields of the student's interest are all in positions to help the student plan a successful high school career.

INDIVIDUAL GRADUATION PLAN			Name: _____		
Date: / /	Grade:	Career Goal 1:		Career Goal 2:	
Subject	Credit	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	4				
Math <i>(Algebra 1, Geometry, Algebra 2, some math senior year)</i>	3 ½				
Science <i>(Integrated Science, Chemistry, Biology)</i>	3				
Social Studies <i>(World History and U.S. History plus Gov't, Econ, and/or Geography - 2 of these)</i>	3				
Health / PE	1				
Fine Arts	1				
Spanish <i>(College Prep)</i>	2				
Theology	4 ½ or 4				
Electives	12 or 12 ½				
TOTAL	31, 31 ½, or 32				

Act Responsibly, Believe Sincerely, Think Critically, Serve Willingly

NEWPORT CENTRAL CATHOLIC

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